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Rio Blanco Oil Shale Company

MODULAR DEVELOPMENT PHASE MONITORING REPORT SEVEN

VOLUME 4 of 4

December 1979–November 1980
Year End Report

Gulf Oil Corporation / Standard Oil Company (Indiana)
A General Partnership
2851 South Parker Road, Aurora, Colorado, 80014

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RIO BLANCO OIL SHALE COMPANY
MODULAR DEVELOPMENT PHASE
MONITORING REPORT 7

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December 1979 - November 1980
YEAR-END REPORT

Prepared by:
RIO BLANCO OIL SHALE COMPANY
DENVER, COLORADO

March 31, 1981

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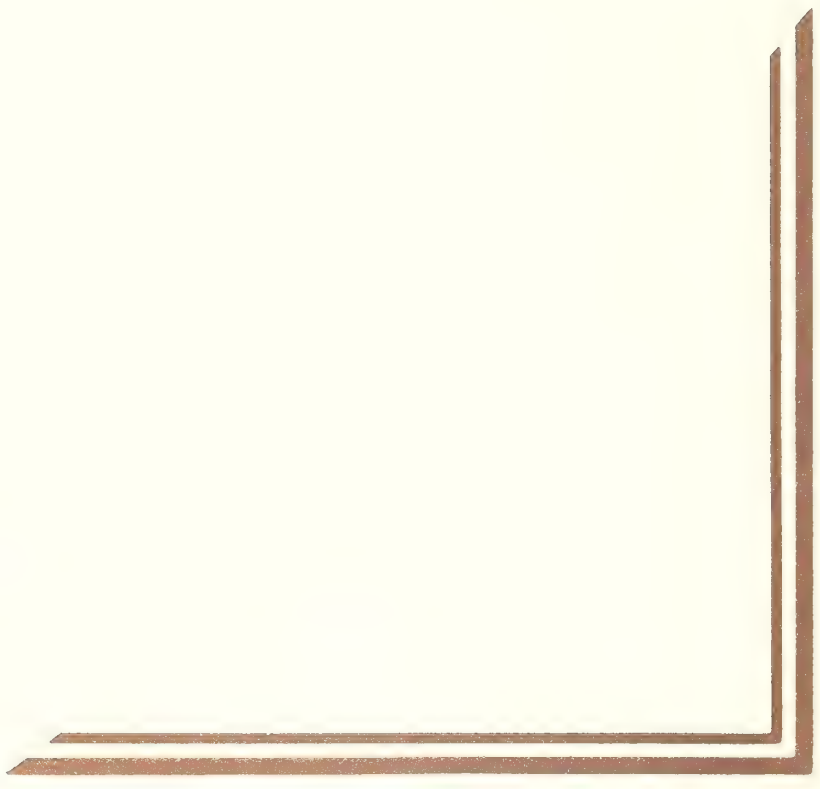


APPENDIX 5-1

Surface Water Data

APPENDIX 5-1.1

USGS Stream Gage Stations
1980 Water Year Water Quality Data

Since the initiation of the USGS stream gages in the vicinity of Tract C-a, 131 parameters have been reported from water quality grab samples. All parameters, even those not presently sampled, are included in the following tables. The STORET codes for these parameters are provided below, along with the parameter name used in the tables.

Water Quality Data:

- TEMP (temperature) - 10
- SP_COND (specific conductance) - 95
- PH (pH) - 400
- ALK (alkalinity) - 410
- HCO3 (bicarbonate) - 440
- CO3 (carbonate) - 445
- CA (calcium) - 915
- MG (magnesium) - 925
- NA (sodium) - 930
- K (potassium) - 935
- CL (chloride) - 940
- SO4 (sulfate) - 945
- F (fluoride) - 950
- AS (arsenic) - 1000
- B (boron) - 1020
- MOL (molybdenum) - 1060
- V (vanadium) - 1085
- SE (selenium) - 1145
- HG (mercury) - 71890
- DOC (dissolved organic carbon) - 6810
- TDS (total dissolved solids) - 70301

N/P Data:

- N_TOT (total nitrogen) - 600
- N_DIS (dissolved nitrogen) - 602
- TORG_N (total organic nitrogen) - 605
- ORG_N (organic nitrogen) - 607
- NH3_N (ammonia nitrogen) - 608
- TNH3_N (total ammonia nitrogen) - 610
- NO2_DIS (dissolved nitrite nitrogen) - 613
- NO3_DIS (dissolved nitrate nitrogen) - 618
- KJEL623 (Kjeldahl nitrogen) - 623
- KJEL625 (Kjeldahl nitrogen) - 625
- TNO2NO3 (total nitrite + nitrate) - 630
- NO2NO3 (nitrite + nitrate) - 631
- TPO4 (total phosphate) - 650
- O_PO4 (ortho-phosphate) - 660

TOT_P (total phosphorus) - 665
DIS_P (dissolved phosphorus) - 666
DORTHOP (dissolved ortho phosphorus) - 671
NH3 (ammonia) - 71846
NO3 (nitrate) - 71851
NO2 (nitrite) - 71856
TOT_P2 (total phosphorus) - 71886
TN_NO3 (total N as NO_3) - 71887

Trace Elements:

BA (barium) - 1005
BE (beryllium) - 1010
BI (bismuth) - 1015
CD (cadmium) - 1025
CR (chromium) - 1030
CU (copper) - 1040
FE (iron) - 1046
PB (lead) - 1049
MN (manganese) - 1056
NI (nickel) - 1065
AG (silver) - 1075
SR (strontium) - 1080
SN (tin) - 1100
AL (aluminum) - 1106
GA (gallium) - 1120
GE (germanium) - 1125
LI (lithium) - 1130
TI (titanium) - 1150
ZR (zirconium) - 1160
BR (bromide) - 71870
U (uranium) - 80020
SIO2 (silica) - 955

General Water Quality:

TURB70 (turbidity) - 70
TURB76 (turbidity) - 76
COLOR (color) - 80
DO (dissolved oxygen) - 300
BOD (BOD) - 310
COD (COD) - 340
CO2 (carbon dioxide) - 405
OIL550 (oil and grease) - 550
OIL556 (oil and grease) - 556
TOC (total organic carbon) - 680
SUSP_OC (suspended organic carbon) - 689

CYANIDE (total cyanide) - 720
THS (total sulfide) - 745
HS (sulfide) - 746
T_HARD (total hardness) - 900
HARD (hardness) - 901
NC_HARD (non-carbonate hardness) - 902
SAR (SAR) - 931
PER_NA (percent sodium) - 932
NA_K (sodium + potassium) - 933
ODOR (odor) - 1330
T_COLI (total coliform) - 31501
F_COLI (fecal coliform) - 31616
FC31625 (fecal coliform) - 31625
F_STREP (fecal streptococci) - 31679
PHENOL (phenolics) - 32730
MBAS (MBAS) - 38260
TDS2 (TDS - tons/day) - 70302
TDS3 (TDS - tons/acre-ft) - 70303
TC (total coliform) - 74050

Radiological Data:

ALPHA15 (gross α, pc/l, as U) - 1515
ALPHA16 (α, suspended, as U) - 1516
ALPHA30 (α, µg/l, as U) - 80030
ALPHA40 (α, suspended, µg/l) - 80040
BETA15 (β, pc/l, as Cs-137) - 3515
BETA16 (β, suspended, as CS-137) - 3516
BETA50 (β, pc/l, as Sr-90) - 80050
BETA60 (β, suspended, pc/l) - 80060
RA9510 (Radium-226) - 9510
RA9511 (Radium-226) - 9511

Pesticide Data:

PERTHAN (Perthane) - 39034
ALDRIN (Aldrin) - 39330
BENZHEX (Benzene hexachloride) - 39340
CHLOROD (Chlordane) - 39350
DDD (DDD) - 39360
DDE (DDE) - 39365
DDT (DDT) - 39370
DIELD (Dieldrin) - 39380
ENDOS (Endosulfur) - 39388
ENDRIN (Endrin) - 39390
ETHION (Ethion) - 39398
TOXAP (Toxaphene) - 39400
HEPTACH (Heptachlor) - 39410
HEPTEPX (Heptachlor epoxide) - 39420
PCB (PCB) - 39516
MALA (Malathion) - 39530
PARA (Parathion) - 39540
DIAZ (Diazinon) - 39570
M_PARA (Methyl Parathion) - 39600
P2_4_D (2-4-D) - 39730
P2_4_5T (2-4-5T) - 39740
MIREX (Mirex) - 39755
SILVEX (Silvex) - 39760
TRITH (Trithion) - 39786
M_TRITH (Methyl Trithion) - 39790

WYR=80

STA	MO	DAY	YR	TEMP	FLOW	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
US235F2	10	22	79	3.0	0.02	1130	8.4	240	402	.	59	57.0	84.0	1.1	7.7	280.0	0.3	8	.	.	.	5	0.1	5.9	659
US235F2	1	31	80	0.0	0.10	1170	8.4	360	339	.	100	68.0	67.0	1.0	6.5	280.0	0.3	5	.	.	.	5	.	13.0	766
US235F2	2	19	80	4.5	0.09	680	8.3	190	325	.	51	31.0	51.0	3.5	6.9	160.0	0.2	7	.	23	-15	4	.	17.0	433
US235F2	5	7	80	9.5	1.20	1050	8.3	290	358	.	90	56.0	66.0	1.0	4.9	250.0	0.3	5	.	.	.	5	.	11.0	675
US235F2	9	17	80	16.5	1.10	1100	7.9	317	387	.	81	57.0	87.0	1.6	9.8	280.0	0.3	4	.	.	.	2	.	7.3	730
US240F2	2	18	80	0.5	0.00	145	6.9	59	.	.	14	3.8	5.6	16.0	3.5	4.7	.	.	.	.	.	.	.	30.0	87
US240F2	4	22	80	13.5	0.00	840	8.1	290	.	.	79	48.0	57.0	1.0	18.0	220.0	0.4	6	.	.	.	5	.	13.0	626
US240F2	6	10	80	24.5	0.00	815	8.0	260	.	.	59	47.0	56.0	0.8	6.1	170.0	0.2	.	.	.	.	.	.	10.0	524
US241F2	2	18	80	0.5	0.00	120	8.0	62	.	.	20	2.9	7.0	5.5	2.0	2.2	0.1	2	.	.	.	.	0.1	30.0	84
US242F2	10	22	79	14.5	0.22	1420	8.4	450	510	.	49	74.0	180.0	0.8	9.5	370.0	1.3	5	.	.	.	4	.	4.8	980
US242F2	1	22	80	0.5	0.83	1420	8.0	420	461	.	64	69.0	170.0	2.4	10.0	380.0	0.8	4	.	.	.	3	.	22.0	976
US242F2	2	18	80	1.5	0.33	300	7.9	110	489	.	19	14.0	30.0	4.4	4.0	52.0	0.2	4	.	.	.	.	0.1	21.0	200
US242F2	3	26	80	8.0	0.20	1480	7.6	470	474	.	96	76.0	160.0	1.6	12.0	400.0	.	5	.	.	.	3	.	20.0	1050
US242F2	4	21	80	12.0	6.00	1550	7.5	490	464	.	96	78.0	170.0	1.7	14.0	400.0	0.5	6	.	.	.	3	.	24.0	1080
US242F2	5	20	80	14.0	2.90	1300	7.9	360	426	.	73	55.0	79.0	1.1	6.5	220.0	0.4	6	.	.	.	3	.	15.0	680
US242F2	6	10	80	18.0	2.50	1400	7.6	420	503	.	75	68.0	160.0	1.2	8.8	330.0	0.4	4	.	.	.	1	.	25.0	922
US242F2	7	15	80	16.0	1.80	1350	8.2	440	495	.	83	65.0	140.0	1.8	9.6	340.0	0.6	7	.	56	4	2	.	25.0	927
US242F2	8	19	80	16.0	1.60	1300	8.2	430	530	.	81	80.0	150.0	2.3	12.0	350.0	0.8	6	.	.	.	3	.	7.2	960
US242F2	9	17	80	17.5	0.68	1550	7.6	419	511	.	88	59.0	130.0	1.6	11.0	200.0	0.6	5	.	.	.	1	.	.	762
US255F2	10	23	79	3.0	2.10	3250	8.8	1100	1580	136	41	100.0	600.0	5.0	120.0	540.0	1.9	5	.	.	.	1	.	25.0	2090
US255F2	1	14	80	0.0	1.70	2350	8.4	860	1090	.	30	56.0	500.0	3.5	85.0	330.0	1.5	6	.	.	.	2	.	33.0	1540
US255F2	2	19	80	0.0	132.00	620	8.6	230	1990	17	12	11.0	130.0	4.7	16.0	110.0	0.6	4	.	20	-50	2	.	19.0	489
US255F2	9	18	80	11.0	0.27	3000	8.3	1560	1410	242	19	97.0	880.0	5.5	160.0	590.0	2.8	6	.	.	.	3	.	43.0	2700
US255F2	9	18	80	11.0	0.27	3000	8.3	1560	1410	242	19	97.0	880.0	5.5	160.0	590.0	2.8	6	.	.	.	3	.	43.0	2700

N=24

WYR=80

STA	MO	DAY	YR	N_TOT	N_DIS	TORG N	ORG N	NH3 N	TNH3 N	NO2 N DIS	NO3 N DIS	KJEL 6235	KJEL 6255	TNO2NO3	NO2NO3	TPO4	OPO4	TOT P	DIS P	DORTHOP	NH3	NO3	NO2	TOT P	TNO3
US235F2	10	22	79	.	-	-	.	.	-	.	.	.	.	.	1.00	.	.	.	.	.	.	.	.	.	.
US235F2	1	31	80	.	.	.	0.35	0.02	.	.	.	0.37	.	.	1.20	0.03	.	0.01	.	.	0.03	.	.	.	.
US235F2	2	19	80	.	.	.	0.40	0.02	.	.	.	0.42	.	.	0.92	0.03	0.06	0.01	.	0.02	0.03	.	.	.	.
US235F2	5	7	80	.	3.3	.	1.10	0.03	.	.	.	1.10	.	.	2.20	0.28	.	0.09	0.02	.	0.04	.	.	.	.
US235F2	9	17	80	.	.	.	0.56	0.03	.	.	.	0.59	.	.	0.78	.	0.03	.	.	0.01	0.04	.	.	.	.
US240F2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	0.02	.	.	.	.	.	.	.	.	.	.
US240F2	4	22	80	.	1.9	.	0.60	.	.	.	.	0.60	.	.	1.30	.	.	.	0.02	.	.	.	.	.	.
US240F2	6	10	80	.	.	.	.	.	.	.	.	.	.	.	1.30	.	.	.	.	.	.	.	.	.	.
US241F2	2	18	80	.	1.6	.	1.20	0.11	.	.	.	1.30	.	.	0.34	.	.	.	0.15	.	0.14	.	.	.	.
US242F2	10	22	79	.	.	.	.	.	.	.	.	.	.	.	0.12	.	0.09	.	.	0.03	.	.	.	.	.
US242F2	1	22	80	.	.	.	.	.	.	0.01	0.68	.	0.67	.	0.30	1.70	.	0.54	.	.	.	3.00	0.03	.	.
US242F2	2	18	80	.	1.8	.	1.20	0.13	.	0.01	0.56	1.30	0.30	.	0.53	0.21	0.06	0.07	0.20	0.02	0.17	2.50	0.03	.	.
US242F2	3	26	80	.	.	.	.	0.03	.	0.01	0.36	.	0.52	.	0.11	0.12	0.15	0.04	.	0.05	0.04	1.60	0.03	.	.
US242F2	4	21	80	.	.	.	.	.	.	0.01	0.33	.	0.30	.	0.13	0.12	0.03	0.04	.	0.01	.	1.50	0.03	.	.
US242F2	5	20	80	.	1.9	.	0.67	.	.	0.01	0.29	0.67	0.19	.	1.20	0.12	0.06	0.04	0.01	0.02	.	1.30	0.03	.	.
US242F2	6	10	80	.	.	.	.	.	.	0.01	0.28	.	0.30	.	0.26	.	0.06	.	.	0.02	.	1.20	0.03	.	.
US242F2	7	15	80	.	.	.	.	.	.	0.01	0.26	.	0.25	.	0.08	0.12	0.06	0.04	.	0.02	.	1.20	0.03	.	.
US242F2	8	19	80	.	.	.	.	0.03	.	0.01	0.28	.	0.48	.	0.29	0.21	0.09	0.07	.	0.03	0.04	1.20	0.03	.	.
US242F2	9	17	80	.	.	.	.	0.02	.	.	0.21	.	0.33	.	0.21	0.09	0.06	0.03	.	0.02	0.03	0.93	.	.	.
US255F2	10	23	79	.	.	.	0.47	.	.	.	.	0.47	.	.	1.50	0.74	0.09	0.24	.	0.03	.	.	.	.	.
US255F2	1	14	80	.	.	.	0.41	0.03	.	.	.	0.44	.	.	1.50	0.21	.	0.07	.	.	0.04	.	.	.	.
US255F2	2	19	80	.	2.0	.	0.92	0.18	.	.	.	1.10	.	.	0.86	0.06	0.03	0.02	0.11	0.01	0.23	.	.	.	.
US255F2	9	18	80	.	.	.	0.99	0.01	.	.	.	1.00	.	.	.	0.06	.	0.02	.	.	0.01	.	.	.	.
US255F2	9	18	80	.	.	.	0.99	0.01	.	.	.	1.00	.	.	.	0.06	.	0.02	.	.	0.01	.	.	.	.

N= 24

WYR=80

STA	MO	DAY	YR	BA	BE	BI	CD	CR	CU	FE	PB	MN	NI	AG	SB	ZN	SN	AL	GA	GE	LI	TI	ZR	BR	U	SIO2
US235P2	10	22	79	-100	.	.	.	.	2	40	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21.0
US235P2	1	31	80	-100	.	.	3	.	6	100	7	20	.	.	.	20	.	.	.	.	.	.	.	.	.	21.0
US235P2	2	19	80	70	-6	-20	1	10	5	30	3	10	-15	-2	1700	.	-15	20	-6	-20	20	-10	-30	0.1	.	11.0
US235P2	5	7	80	.	.	.	-1	.	4	150	3	10	.	.	.	10	.	.	.	.	.	.	.	0.1	6.4	23.0
US235P2	9	17	80	.	.	.	-1	.	7	120	3	30	.	.	.	10	.	.	.	.	.	.	.	.	.	19.0
US240P2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.1
US240P2	4	22	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1	4.4	22.0
US240P2	6	10	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	23.0
US241P2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.9
US242P2	10	22	79	100	.	.	1	.	2	40	8	.	.	.	.	10	.	.	.	.	10	.	.	.	.	24.0
US242P2	1	22	80	100	.	.	.	.	.	70	.	.	.	.	.	10	.	.	.	.	10	.	.	.	.	26.0
US242P2	2	18	80	.	.	.	.	.	1	.	1	5	.	.	.	4	.	.	.	.	10	.	.	.	.	7.5
US242P2	3	26	80	100	.	.	.	.	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	23.0
US242P2	4	21	80	.	.	.	3	.	4	10	3	.	.	.	.	20	.	.	.	.	10	.	.	.	.	24.0
US242P2	5	20	80	100	.	.	.	10	3	20	.	10	.	.	.	.	.	.	.	.	10	.	.	0.1	9.8	23.0
US242P2	6	10	80	-200	.	.	.	50	1	10	.	10	.	.	.	.	.	.	.	.	10	.	.	.	.	25.0
US242P2	7	15	80	56	-2	-6	1	-6	10	50	-6	10	-6	.	1400	10	-6	30	-3	-6	10	-3	-12	.	.	22.0
US242P2	8	19	80	-200	.	.	.	10	1	10	3	20	.	.	.	10	.	.	.	.	10	.	.	.	.	23.0
US242P2	9	17	80	100	.	.	1	4	7	10	.	30	.	.	.	20	.	.	.	.	10	.	.	.	.	19.0
US255P2	10	23	79	-100	.	.	1	.	2	.	5	30	.	.	.	10	.	.	.	.	150	.	.	.	.	13.0
US255P2	1	14	80	400	.	.	1	.	3	40	3	.	.	.	.	10	.	.	.	.	80	.	.	.	.	9.0
US255P2	2	19	80	100	-20	-70	.	.	-10	80	-50	.	-50	-5	3300	10	-50	100	-20	-70	180	-30	-100	0.1	3.1	7.7
US255P2	9	18	80	200	.	.	-1	.	8	50	1	.	.	.	.	.	.	.	.	.	130	.	.	.	.	6.8
US255P2	9	18	80	200	.	.	-1	.	8	50	1	.	.	.	.	.	.	.	.	.	130	.	.	.	.	6.8

N=24

WYR=80

STA	MO	DAY	YR	TURB70	TURB76	COLOR	DO	BOD	COD	CO2	OIL550	OIL556	TOC	SUSP_OC	CYANIDE	THS	HS	T_HARD
US235F2	10	22	79	.	.	.	10.6	.	.	8.1	.	.	.	.	.	.	.	380
US235F2	1	31	80	.	.	8	7.5	.	.	6.8	.	.	.	.	.	.	.	530
US235F2	2	19	80	.	18.0	4	10.2	0.70	5	4.1	8	.	.	0.3	.	.	0.5	260
US235F2	5	7	80	.	250.0	25	6.8	2.68	88	2.9	.	.	.	.	.	0.3	.	460
US235F2	9	17	80	.	2.5	3	8.1	0.80	.	7.8	.	.	.	.	.	.	.	440
US240F2	2	18	80	.	.	.	10.6	.	.	.	.	.	.	.	.	.	.	51
US240F2	4	22	80	.	540.0	.	8.2	3.30	100	.	.	.	.	.	.	.	.	400
US240F2	6	10	80	.	.	.	6.4	.	.	.	.	.	.	.	.	.	.	340
US241F2	2	18	80	.	640.0	.	11.6	.	130	.	.	.	.	.	.	.	.	62
US242F2	10	22	79	.	.	.	8.7	.	.	13.0	.	.	.	.	.	.	.	430
US242F2	1	22	80	150	.	17	8.3	.	32	7.4	2	.	.	8.7	0.02	.	0.2	440
US242F2	2	18	80	50	2000.0	10	11.2	.	330	4.9	3	.	.	.	.	.	.	110
US242F2	3	26	80	13	.	6	7.6	.	.	4.8	2	.	.	.	.	.	.	550
US242F2	4	21	80	4	.	6	7.5	.	.	17.0	1	.	.	.	.	.	.	560
US242F2	5	20	80	2	1000.0	10	8.4	.	110	4.3	1	.	.	.	.	0.3	0.2	410
US242F2	6	10	80	2	.	7	6.6	.	.	16.0	1	.	.	.	.	.	.	470
US242F2	7	15	80	.	.	4	5.6	.	9	13.0	1	.	.	.	.	.	0.2	480

STA	HARD	NC_HARD	SAR	PER_NA	NA_K	ODOR	T_COLI	F_COLI	FC31625	F_STREP	PHENOL	MBAS	TDS2	TDS3	TC
US235F2	.	140	1.9	55	85	.	.	.	.	.	.	.	0.58	0.90	.
US235F2	.	170	1.3	22	68	.	.	.	.	.	.	.	0.18	1.04	.
US235F2	.	65	1.4	30	55	.	96	10	.	.	3	.	0.17	0.59	.
US235F2	.	170	1.3	24	.	.	.	.	.	.	2	.	2.19	0.92	.
US235F2	.	120	1.8	30	.	.	1200	.	120	.	.	.	0.43	0.99	.
US240F2	.	.	0.3	15	22	.	.	.	.	.	.	.	.	0.12	.
US240F2	.	110	1.2	24	.	.	.	.	.	.	4	.	.	0.85	.
US240F2	.	81	1.3	26	.	.	.	.	.	.	.	.	.	0.71	.
US241F2	.	.	0.4	18	13	.	.	.	.	.	17	.	.	0.11	.
US242F2	.	.	3.8	76	180	1	.	.	.	.	.	.	0.54	1.33	.
US242F2	.	24	3.5	45	170	.	.	.	.	.	.	.	3.36	1.33	.
US242F2	.	.	1.3	37	34	.	.	.	.	.	9	.	2.97	0.27	.
US242F2	.	83	3.0	39	.	.	.	.	.	.	.	.	2.34	1.43	.
US242F2	.	71	3.1	40	.	1	.	.	.	.	.	.	2.24	1.47	.
US242F2	.	49	1.7	30	.	.	900	.	20	.	.	.	1.33	0.92	.
US242F2	.	47	3.2	43	.	.	.	.	.	.	.	.	1.49	1.25	.
US242F2	.	35	2.8	39	.	.	.	.	.	.	.	.	1.29	1.26	.

WYR=80

STA	MO	DAY	YR	TURB70	TURB76	COLOR	DO	BOD	COD	CO2	OIL550	OIL556	TOC	SUSP_OC	CYANIDE	THS	HS	T_HARD	HARD	NC_HARD	SAR	PER_NA	NA_K	ODOR	T_COLI	F_COLI	FC31625	F_STREP	PHENOL	MBAS	TDS2	TDS3	TC
US242F2	8	19	80	2	.	4	8.1	.	.	5.4	2	.	.	.	.	.	.	530	.	97	2.8	38	.	.	.	.	.	.	.	.	4.72	1.31	.
US242F2	9	17	80	.	.	4	6.2	.	.	8.2	.	.	.	.	.	.	.	460	.	44	2.6	38	.	.	2800	.	900	.	.	.	1.15	1.04	.
US255F2	10	23	79	.	.	20	10.2	.	.	7.5	.	.	.	1.0	.	.	.	510	.	.	12.0	92	610	.	.	420	.	280	.	.	15.00	2.84	.
US255F2	1	14	80	.	.	22	8.1	5.8	.	17.0	.	.	.	.	.	.	.	310	.	.	12.0	78	500	.	620	460	.	.	.	.	13.20	2.09	.
US255F2	2	19	80	.	5500	20	13.6	1.0	38	4.1	.	.	.	0.3	.	.	.	75	.	.	6.5	78	130	.	.	110	.	56	5	.	174.00	0.67	.
US255F2	9	18	80	.	.	22	11.0	2.0	.	3.8	.	.	.	.	.	.	.	450	.	.	18.0	81	.	.	110	.	88	.	.	.	1.97	3.67	.
US255F2	9	18	80	.	.	22	11.0	2.0	.	3.8	.	.	.	.	.	.	.	450	.	.	18.0	81	.	.	110	.	88	.	.	.	1.97	3.67	.

N=24

WYR=80

STA	MO	DAY	YR	ALPHA15	ALPHA16	ALPHA30	ALPHA40	BETA15	BETA16	BETA50	BETA60	BA9510	BA9511
US235F2	10	22	79	.	.	.	.	.	.	.	.	.	.
US235F2	1	31	80	.	.	.	.	.	.	.	.	.	.
US235F2	2	19	80	.	.	-9.9	-0.4	3.5	-0.4	2.8	-0.4	.	.
US235F2	5	7	80	5.4	67	8.0	99.0	-4.7	64.0	-4.7	62.0	.	0.10
US235F2	9	17	80	.	.	.	.	.	.	.	.	.	.
US240F2	2	18	80	.	.	.	.	.	.	.	.	.	.
US240F2	4	22	80	-4.3	52	-6.3	76.0	-4.1	65.0	-4.1	64.0	.	0.12
US240F2	6	10	80	.	.	.	.	.	.	.	.	.	.
US241F2	2	18	80	.	.	.	.	.	.	.	.	.	.
US242F2	10	22	79	.	.	.	.	.	.	.	.	.	.
US242F2	1	22	80	.	.	.	.	.	.	.	.	.	.
US242F2	2	18	80	.	.	.	.	.	.	.	.	.	.
US242F2	3	26	80	.	.	.	.	.	.	.	.	.	.
US242F2	4	21	80	.	.	.	.	.	.	.	.	.	.
US242F2	5	20	80	88.0	61	130.0	90.0	24.0	75.0	23.0	72.0	.	0.10
US242F2	6	10	80	.	.	.	.	.	.	.	.	.	.
US242F2	7	15	80	.	.	-6.7	0.5	9.4	1.3	7.5	1.2	.	.
US242F2	8	19	80	.	.	.	.	.	.	.	.	.	.
US242F2	9	17	80	.	.	.	.	.	.	.	.	.	.
US255F2	10	23	79	.	.	.	.	.	.	.	.	.	.
US255F2	1	14	80	.	.	.	.	.	.	.	.	.	.
US255F2	2	19	80	6.1	100	9.0	150.0	6.9	60.0	7.1	61.0	.	0.10
US255F2	9	19	80	.	.	.	.	.	.	.	.	.	.
US255F2	9	18	80	.	.	.	.	.	.	.	.	.	.

N=24

WYR=80

STA	MO	DAY	YR	PERTHAN	ALDKIN	BENZHEX	CHLORD	DDD	DDE	DDT	DIELD	ENDOS	ENDRIN	ETHION	TOXAP	HEPTACH	HEPTEPX	PCB	MALA	PARA	DIAZ	M_PARA	P2_4D	P2_4_5T	MIREX	SILVEX	TRITH	M_TRITH	PEST
US235F2	10	22	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US235F2	1	31	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US235F2	2	19	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US235F2	5	7	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US235F2	9	17	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US240F2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US240F2	4	22	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US240F2	6	10	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US241F2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	10	22	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	1	22	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	2	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	3	26	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	4	21	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	5	20	80	.	.	.	.	.	.	-0.01	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	6	10	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	7	15	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	8	19	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US242F2	9	17	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US255F2	10	23	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US255F2	1	14	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US255F2	2	19	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US255F2	9	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
US255F2	9	18	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

N=24

APPENDIX 5-1.2

USGS Stream Gage Stations
Pre-1980 Water Year
Continuous Monitor Data Summaries

USGS Continuous Monitor Data - Station A (09306237)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	201	365	366	365	365	365	
	Mean	0.003	0.0002	0.006	0.017	0.0004	0.0002	
	Standard Deviation	0.04	0.002	0.05	0.30	0.007	0.004	
	Maximum	0.5	0.02	0.6	5.8	0.14	0.08	
	Minimum	..	..	..	..	..	..	
	10% Quantile	..	..	..	..	..	..	
	90% Quantile	..	..	..	..	..	..	
Daily Mean Temperature (°C)	n	..	..	..	4	..	2	
	Mean	..	..	..	15.8	..	11.8	
	Standard Deviation	..	..	..	4.1	..	4.6	
	Maximum	..	..	..	19.5	..	15	
	Minimum	..	..	..	10	..	8.5	
	10% Quantile	..	..	..	10	..	8.5	
	90% Quantile	..	..	..	19.5	..	15	
Daily Mean Specific Conductance (µmhos/cm)	n	..	..	..	4	1	1	
	Mean	..	..	..	426	..	..	
	Standard Deviation	..	..	..	87	..	..	
	Maximum	..	..	..	540	143	380	
	Minimum	..	..	..	341	..	..	
	10% Quantile	..	..	..	341	..	..	
	90% Quantile	..	..	..	540	..	..	
Suspended Sediment Load (tons/day)	n	..	5	10	..	1	2	
	Mean	..	0.028	0.152	..	..	..	
	Standard Deviation	..	0.011	0.181	..	..	..	
	Maximum	..	0.04	0.6	..	21	18	
	Minimum	..	0.01	0.01	..	..	2	
	10% Quantile	..	0.01	0.01	..	..	..	
	90% Quantile	..	0.04	0.57	..	..	..	

USGS Continuous Monitor Data - Station B (09306235)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	201	365	366	365	365	365	
	Mean	0.34	0.15	0.13	0.06	0.15	0.31	
	Standard Deviation	0.16	0.17	0.13	0.58	0.21	0.27	
	Maximum	0.74	0.64	0.50	11	0.6	1.4	
	Minimum	0.07	..	..	..	..	0.04	
	10% Quantile	0.15	..	..	..	..	0.07	
	90% Quantile	0.58	0.44	0.35	0.12	0.50	0.68	
Daily Mean Temperature (°C)	n	..	79	197	90	127	272	
	Mean	..	13.2	13.7	7.8	13.5	6.6	
	Standard Deviation	..	5.2	4.5	5.5	2.9	4.8	
	Maximum	..	33.1	22.5	22	17.5	18.5	
	Minimum	..	1.4	4.2	1.5	2.5	0.5	
	10% Quantile	..	7.3	7.9	2.1	10.5	1.2	
	90% Quantile	..	19	20.5	17	16.5	13	
Daily Mean Specific Conductance (µmhos/cm)	n	..	109	156	42	112	230	
	Mean	..	1062	895	1025	985	1035	
	Standard Deviation	..	84	178	112	184	72	
	Maximum	..	1290	1130	1200	1210	1190	
	Minimum	..	900	408	668	230	635	
	10% Quantile	..	960	664	878	831	925	
	90% Quantile	..	1200	1060	1177	1107	1110	
Suspended Sediment Load (tons/day)	n	..	171	174	70	162	365	
	Mean	..	0.28	0.41	0.24	0.63	2.02	
	Standard Deviation	..	0.89	1.7	1.2	0.90	6.7	
	Maximum	..	6.9	16	10	4.5	49	
	Minimum	..	0.01	0.01	0.01	0.01	0.01	
	10% Quantile	..	0.02	0.01	0.01	0.04	0.01	
	90% Quantile	..	0.73	0.3	0.14	2.0	4.2	

USGS Continuous Monitor Data - Station C (09306240)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	202	365	366	365	365	365	
	Mean	0.37	0.25	0.05	0.007	0.31	0.36	
	Standard Deviation	0.80	0.68	0.15	0.065	0.61	0.81	
	Maximum	2.6	2.9	0.86	0.91	2.1	3.5	
	Minimum	..	..	..	..	..	..	
	10% Quantile	..	..	..	..	..	..	
	90% Quantile	2.3	0.92	0.12	..	1.5	1.8	
Daily Mean Temperature (°C)	n	..	58	31	2	91	70	
	Mean	..	11.0	12.2	15.5	9.1	10.7	
	Standard Deviation	..	2.7	2.1	5.7	3.4	3.8	
	Maximum	..	17.5	16	19.5	15.5	18.5	
	Minimum	..	5.5	9	11.5	0.5	3.5	
	10% Quantile	..	7	9.5	11.5	5	5.9	
	90% Quantile	..	14.1	15	19.5	14	16.5	
Daily Mean Specific Conductance (µmhos/cm)	n	..	66	62	5	89	65	
	Mean	..	758	519	185	632	758	
	Standard Deviation	..	95	216	50	159	56	
	Maximum	..	870	764	238	831	880	
	Minimum	..	270	75	117	202	630	
	10% Quantile	..	637	106	117	416	690	
	90% Quantile	..	850	720	238	797	848	
Suspended Sediment Load (tons/day)	n	..	65	70	5	100	79	
	Mean	..	4.0	0.26	3.2	5.2	7.9	
	Standard Deviation	..	5.7	0.39	7.1	7.0	12.7	
	Maximum	..	21	1.6	16	32	62	
	Minimum	..	0.01	0.01	0.01	0.01	0.01	
	10% Quantile	..	0.03	0.01	0.01	0.02	0.02	
	90% Quantile	..	14	0.89	16	18	25	

USGS Continuous Monitor Data - Station D (09306242)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	201	365	366	365	365	365	
	Mean	0.77	0.87	0.58	0.36	1.9	3.3	
	Standard Deviation	0.44	0.80	0.21	0.52	1.7	1.9	
	Maximum	2.1	5.6	2.1	8	6.7	12	
	Minimum	0.06	0.34	0.29	0.11	0.14	0.61	
	10% Quantile	0.2	0.4	0.4	0.2	0.2	1.6	
	90% Quantile	1.3	1.4	0.9	0.5	4	5.8	
Daily Mean Temperature (°C)	n	..	223	234	292	335	356	
	Mean	..	9.7	10.5	9.0	10.8	12.6	
	Standard Deviation	..	2.2	2.4	2.6	4.1	4.4	
	Maximum	..	14.9	15.9	15.5	18.5	19.8	
	Minimum	..	5	5.2	2.1	2	4.3	
	10% Quantile	..	7	7.1	6	6.5	6.5	
	90% Quantile	..	12.5	14	12.5	16.5	18.1	
Daily Mean Specific Conductance (µmhos/cm)	n	..	147	216	294	313	356	
	Mean	..	1255	1211	1171	1156	1331	
	Standard Deviation	..	212	113	114	136	87	
	Maximum	..	1980	1570	1830	1430	1570	
	Minimum	..	527	874	455	751	678	
	10% Quantile	..	1030	1060	1080	995	1240	
	90% Quantile	..	1550	1320	1270	1370	1400	
Suspended Sediment Load (tons/day)	n	..	365	366	343	362	365	
	Mean	..	2.7	2.8	5.0	13.9	10.3	
	Standard Deviation	..	9.2	19.7	76.6	21.2	19.5	
	Maximum	..	94	240	1400	143	162	
	Minimum	..	0.01	0.01	0.01	0.01	0.03	
	10% Quantile	..	0.03	0.02	0.01	0.02	0.36	
	90% Quantile	..	5.2	0.37	0.07	43.7	28	

USGS Continuous Monitor Data - Station E (09306241)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	..	365	366	365	365	365	
	Mean	..	0.0008	0.0030	0.0011	0.0003	..	
	Standard Deviation	..	0.0010	0.025	0.021	0.006	..	
	Maximum	..	0.15	0.3	0.41	0.12	..	
	Minimum	..	..	..	..	..	..	
	10% Quantile	..	..	..	..	..	..	
	90% Quantile	..	..	..	..	..	..	
Daily Mean Temperature (°C)	No Data Collected							
Daily Mean Specific Conductance (µmhos/cm)	n	..	..	1	1	..	..	
	Maximum	..	..	176	284	..	..	
Suspended Sediment Load (tons/day)	n	..	4	..	1	1	..	
	Mean	..	0.11	..	..	..	..	
	Standard Deviation	..	0.11	..	..	..	..	
	Maximum	..	0.24	..	1.1	0.9	..	
	Minimum	..	0.01	..	..	..	..	
	10% Quantile	..	0.03	..	..	..	..	
	90% Quantile	..	0.24	..	..	..	..	

USGS Continuous Monitor Data - Station F (09306255)

Parameter	Descriptive Statistic	Water Year 1974	1975	1976	1977	1978	1979	1980
Daily Mean Discharge (cfs)	n	365	365	366	365	365	365	
	Mean	2.4	1.6	1.5	1.3	2.3	1.4	
	Standard Deviation	1.8	0.5	1.1	0.9	26.1	1.5	
	Maximum	13	4.5	13	13	500	20	
	Minimum	0.82	0.67	0.23	0.37	..	..	
	10% Quantile	1.2	0.9	0.6	0.5	0.3	0.006	
	90% Quantile	3.5	2.3	2.4	2.1	1.6	2.8	
Daily Mean Temperature (°C)	n	77	183	182	317	304	248	
	Mean	17.8	12.8	10.3	9.4	10.6	11.5	
	Standard Deviation	2.8	5.6	6.6	7.4	7.6	6.7	
	Maximum	23.8	25	24.5	21.7	24.5	23	
	Minimum	8.6	0.4	0.5	<0.2	0.5	0.4	
	10% Quantile	14.4	3.8	1.5	0.2	1	1	
	90% Quantile	21.2	18.9	18.5	18.9	21	20	
Daily Mean Specific Conductance (µmhos/cm)	n	76	149	188	317	280	199	
	Mean	2796	3295	3434	3763	3879	3495	
	Standard Deviation	643	621	741	519	521	662	
	Maximum	3800	4640	4970	4790	4680	4490	
	Minimum	897	<10.4	963	610	1890	457	
	10% Quantile	1793	2580	2480	3166	3300	2960	
	90% Quantile	3528	3940	4103	4320	4429	4220	
Suspended Sediment Load (tons/day)	n	170	365	366	365	359	305	
	Mean	2.6	3.8	6.6	2.7	10.3	4.8	
	Standard Deviation	6.4	17.9	27.4	27.3	153	18.4	
	Maximum	49	192	400	520	2900	221	
	Minimum	0.04	0.08	0.02	0.01	0.01	0.01	
	10% Quantile	0.37	0.15	0.06	0.06	0.03	0.05	
	90% Quantile	4.13	3.54	12	4	4.8	7.6	

APPENDIX 5-1.3

Springs and Seeps Data
1980 Report Year

RIO BLANCO HYDROLOGY MONITORING PROGRAM
SPRINGS AND SEEPS DATA

STA	MO	DAY	YR	[illegible]	TEMP	COND	PH
spg-01	5	29	80	150	7.7	750.0	7.1
spg-02	5	29	80	495	8.0	910.0	7.5
spg-03	1	24	80	32	3.0	1150.0	8.0
spg-03	5	28	80	42	2.0	1000.0	8.2
spg-04	1	24	80	100	3.0	1300.0	8.2
spg-04	5	28	80	230	15.5	1000.0	8.0
spg-05	1	23	80	.	1.2	1400.0	7.7
spg-05	5	30	80	1410	8.2	8.2	7.8
spg-06	1	23	80	35	5.5	1125.0	7.5
spg-08	5	28	80	350	8.0	900.0	7.4
spg-014	1	24	80	3	1.0	2250.0	7.8
spg-014	5	30	80	3	22.0	3000.0	7.9
SPG-MILL	12	1	79	5	.	.	0.0
SPG-MILL	12	2	79	5	.	.	0.0
SPG-MILL	12	3	79	5	.	.	0.0
SPG-MILL	12	4	79	5	.	.	0.0
SPG-MILL	12	5	79	5	.	.	0.0
SPG-MILL	12	6	79	5	.	.	0.0
SPG-MILL	12	7	79	5	.	.	0.0
SPG-MILL	12	8	79	5	.	.	0.0
SPG-MILL	12	9	79	5	.	.	0.0
SPG-MILL	12	10	79	5	.	.	0.0
SPG-MILL	12	11	79	5	.	.	0.0
SPG-MILL	12	12	79	5	.	.	0.0
SPG-MILL	12	13	79	5	.	.	0.0
SPG-MILL	12	14	79	4	.	.	0.0
SPG-MILL	12	15	79	4	.	.	0.0
SPG-MILL	12	16	79	5	.	.	0.0
SPG-MILL	12	17	79	5	.	.	0.0
SPG-MILL	12	18	79	4	.	.	0.0
SPG-MILL	12	19	79	4	.	.	0.0
SPG-MILL	12	20	79	4	.	.	0.0
SPG-MILL	12	21	79	4	.	.	0.0
SPG-MILL	12	22	79	4	.	.	0.0
SPG-MILL	12	23	79	5	.	.	0.0
SPG-MILL	12	26	79	4	.	.	0.0
SPG-MILL	12	27	79	4	.	.	0.0
SPG-MILL	12	28	79	3	.	.	0.0
SPG-MILL	12	29	79	3	.	.	0.0
SPG-MILL	12	30	79	4	.	.	0.0

RIO BLANCO MYCOLOGY MONITORING PROGRAM
SPRINGS AND SEEPS DATA

SITE	MO	DAY	YR	#	TEMP	COND	PH
SPG-MILL	12	31	79	5	.	.	0
SPG-MILL	1	2	80	3	.	.	0
SPG-MILL	1	3	80	4	.	.	0
SPG-MILL	1	4	80	4	.	.	0
SPG-MILL	1	5	80	4	.	.	0
SPG-MILL	1	6	80	5	.	.	0
SPG-MILL	1	7	80	5	.	.	0
SPG-MILL	1	8	80	5	.	.	0
SPG-MILL	1	9	80	3	.	.	0
SPG-MILL	1	10	80	3	.	.	0
SPG-MILL	1	11	80	3	.	.	0
SPG-MILL	1	12	80	3	.	.	0
SPG-MILL	1	13	80	5	.	.	0
SPG-MILL	1	14	80	5	.	.	0
SPG-MILL	1	15	80	4	.	.	0
SPG-MILL	1	16	80	3	.	.	0
SPG-MILL	1	17	80	4	.	.	0
SPG-MILL	1	18	80	3	.	.	0
SPG-MILL	1	19	80	4	.	.	0
SPG-MILL	1	20	80	4	.	.	0
SPG-MILL	1	21	80	4	.	.	0
SPG-MILL	1	22	80	3	.	.	0
SPG-MILL	1	23	80	3	.	.	0
SPG-MILL	1	24	80	3	.	.	0
SPG-MILL	1	25	80	3	.	.	0
SPG-MILL	1	26	80	3	.	.	0
SPG-MILL	1	27	80	4	.	.	0
SPG-MILL	1	28	80	5	.	.	0
SPG-MILL	1	29	80	4	.	.	0
SPG-MILL	1	30	80	4	.	.	0
SPG-MILL	1	31	80	4	.	.	0
SPG-MILL	2	1	80	3	.	.	0
SPG-MILL	2	2	80	3	.	.	0
SPG-MILL	2	3	80	5	.	.	0
SPG-MILL	2	4	80	5	.	.	0
SPG-MILL	2	5	80	4	.	.	0
SPG-MILL	2	6	80	3	.	.	0
SPG-MILL	2	7	80	3	.	.	0
SPG-MILL	2	8	80	3	.	.	0
SPG-MILL	2	9	80	4	.	.	0

RIO BLANCO HYDROLOGY MONITORING PROGRAM
SPRINGS AND SEEPS DATA

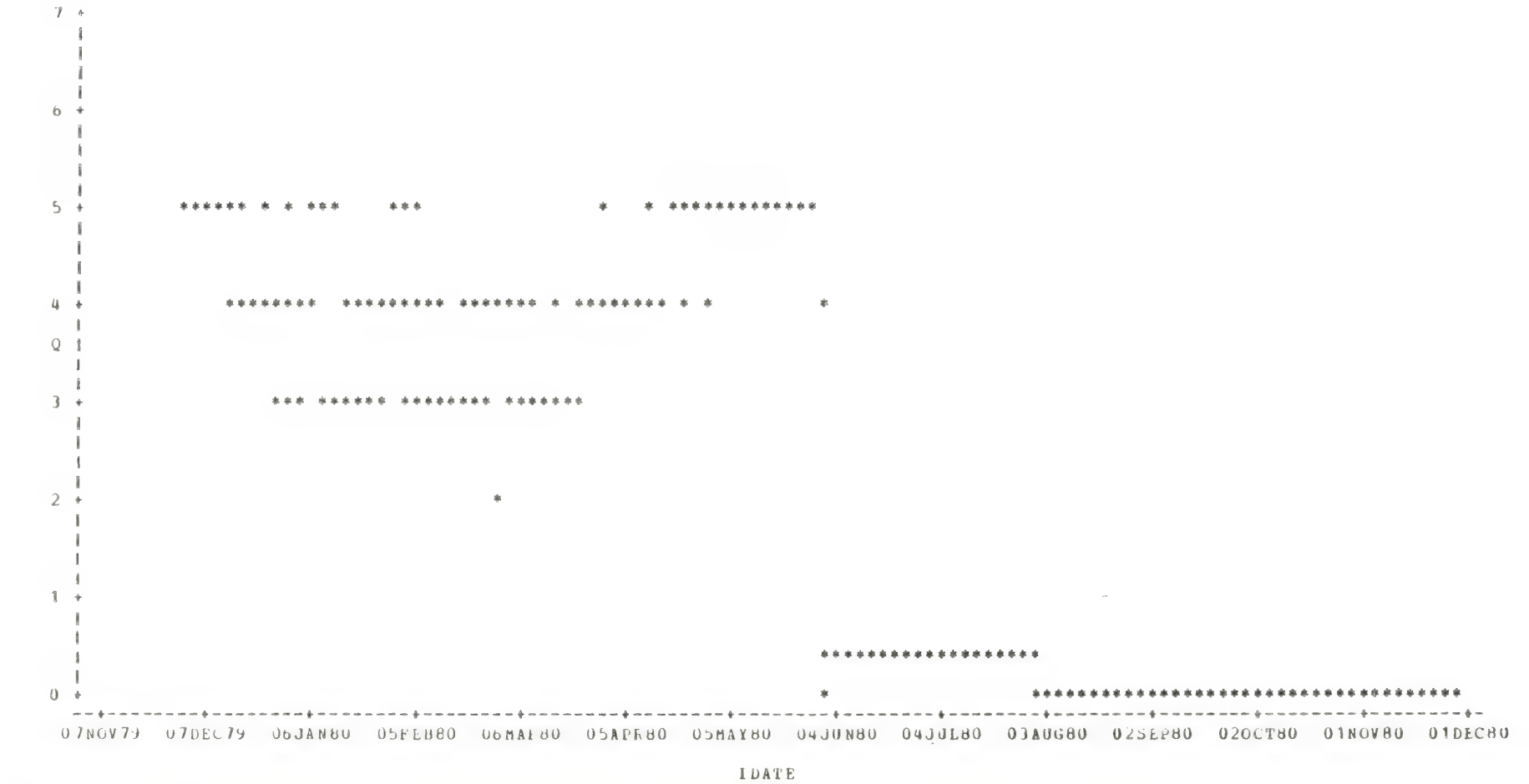
STA	MO	DAY	YR	Q	TEMP	COND	PH
SPG-MILL	2	10	80	4	.	.	0
SPG-MILL	2	11	80	4	.	.	0
SPG-MILL	2	12	80	3	.	.	0
SPG-MILL	2	13	80	3	.	.	0
SPG-MILL	2	14	80	3	.	.	0
SPG-MILL	2	15	80	3	.	.	0
SPG-MILL	2	16	80	3	.	.	0
SPG-MILL	2	17	80	4	.	.	0
SPG-MILL	2	18	80	3	.	.	0
SPG-MILL	2	19	80	4	.	.	0
SPG-MILL	2	20	80	3	.	.	0
SPG-MILL	2	21	80	3	.	.	0
SPG-MILL	2	22	80	3	.	.	0
SPG-MILL	2	23	80	4	.	.	0
SPG-MILL	2	24	80	4	.	.	0
SPG-MILL	2	25	80	4	.	.	0
SPG-MILL	2	26	80	3	.	.	0
SPG-MILL	2	27	80	2	.	.	0
SPG-MILL	2	28	80	2	.	.	0
SPG-MILL	2	29	80	4	.	.	0
SPG-MILL	3	1	80	3	.	.	0
SPG-MILL	3	2	80	3	.	.	0
SPG-MILL	3	3	80	4	.	.	0
SPG-MILL	3	4	80	4	.	.	0
SPG-MILL	3	5	80	4	.	.	0
SPG-MILL	3	6	80	4	.	.	0
SPG-MILL	3	7	80	3	.	.	0
SPG-MILL	3	8	80	3	.	.	0
SPG-MILL	3	9	80	4	.	.	0
SPG-MILL	3	10	80	4	.	.	0
SPG-MILL	3	11	80	3	.	.	0
SPG-MILL	3	12	80	3	.	.	0
SPG-MILL	3	13	80	3	.	.	0
SPG-MILL	3	14	80	3	.	.	0
SPG-MILL	3	15	80	3	.	.	0
SPG-MILL	3	16	80	4	.	.	0
SPG-MILL	3	17	80	4	.	.	0
SPG-MILL	3	18	80	3	.	.	0
SPG-MILL	3	19	80	3	.	.	0
SPG-MILL	3	20	80	3	.	.	0

RIO BLANCO HYDROLOGY MONITORING PROGRAM
SPRINGS AND SEEPS DATA

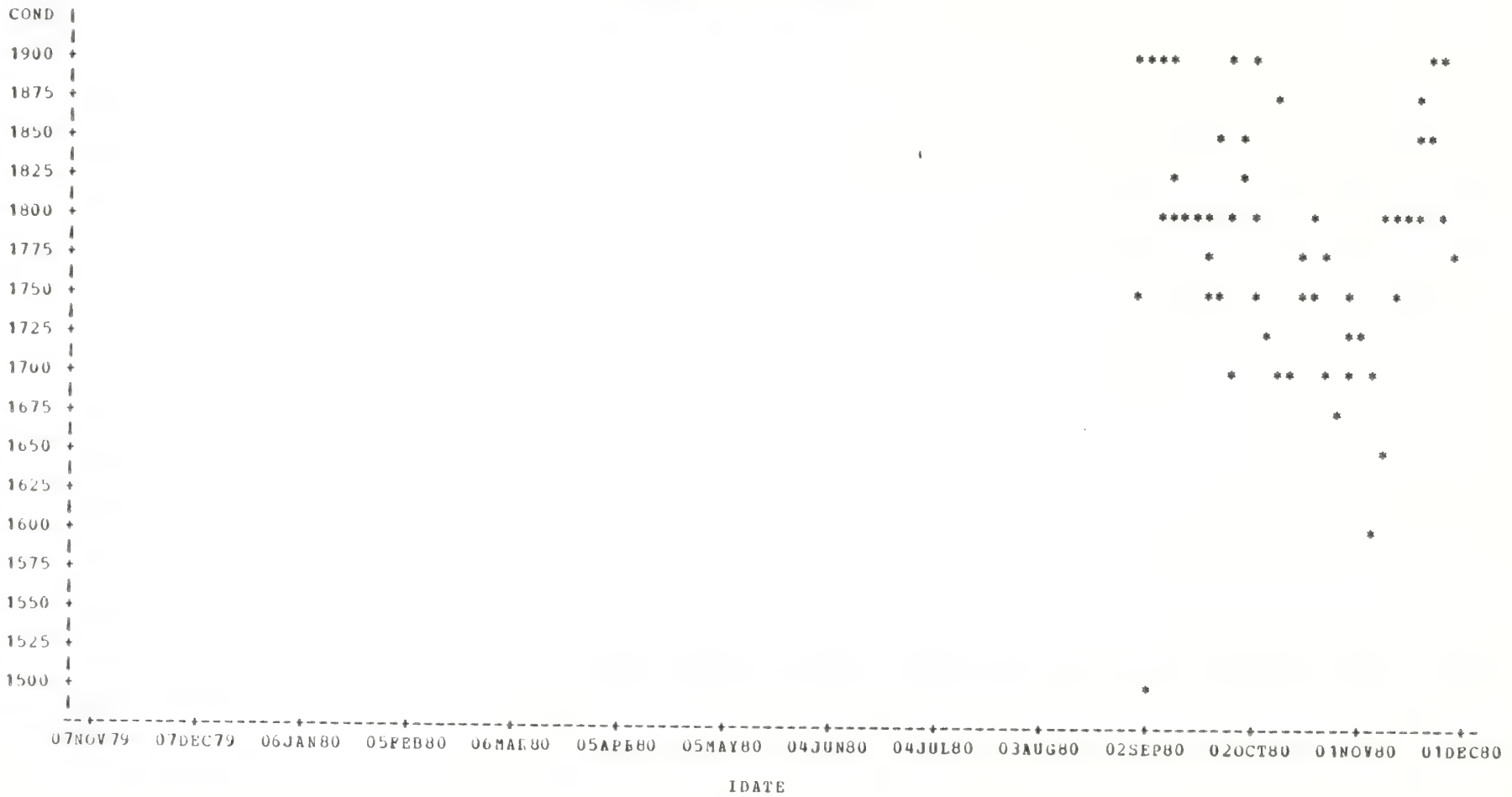
STA	MO	DAY	YR	?	TEMP	COND	PH
SPG-MILL	3	21	80	3	.	.	0
SPG-MILL	3	22	80	3	.	.	0
SPG-MILL	3	23	80	3	.	.	0
SPG-MILL	3	24	80	4	.	.	0
SPG-MILL	3	25	80	4	.	.	0
SPG-MILL	3	26	80	4	.	.	0
SPG-MILL	3	27	80	4	.	.	0
SPG-MILL	3	28	80	4	.	.	0
SPG-MILL	3	29	80	5	.	.	0
SPG-MILL	3	30	80	4	.	.	0
SPG-MILL	3	31	80	4	.	.	0
SPG-MILL	4	1	80	4	.	.	0
SPG-MILL	4	2	80	4	.	.	0
SPG-MILL	4	3	80	4	.	.	0
SPG-MILL	4	4	80	4	.	.	0
SPG-MILL	4	5	80	4	.	.	0
SPG-MILL	4	6	80	4	.	.	0
SPG-MILL	4	7	80	4	.	.	0
SPG-MILL	4	8	80	4	.	.	0
SPG-MILL	4	9	80	4	.	.	0
SPG-MILL	4	10	80	4	.	.	0
SPG-MILL	4	11	80	4	.	.	0
SPG-MILL	4	12	80	5	.	.	0
SPG-MILL	4	13	80	4	.	.	0
SPG-MILL	4	14	80	4	.	.	0
SPG-MILL	4	15	80	4	.	.	0
SPG-MILL	4	16	80	4	.	.	0
SPG-MILL	4	17	80	5	.	.	0
SPG-MILL	4	18	80	5	.	.	0
SPG-MILL	4	19	80	5	.	.	0
SPG-MILL	4	20	80	4	.	.	0
SPG-MILL	4	21	80	4	.	.	0
SPG-MILL	4	22	80	5	.	.	0
SPG-MILL	4	23	80	5	.	.	0
SPG-MILL	4	24	80	5	.	.	0
SPG-MILL	4	25	80	5	.	.	0
SPG-MILL	4	26	80	5	.	.	0
SPG-MILL	4	27	80	5	.	.	0
SPG-MILL	4	28	80	4	.	.	0
SPG-MILL	4	29	80	5	.	.	0

BIG BLANCO HYDROLOGY MONITORING PROGRAM
SPRINGS AND SEEPS DATA

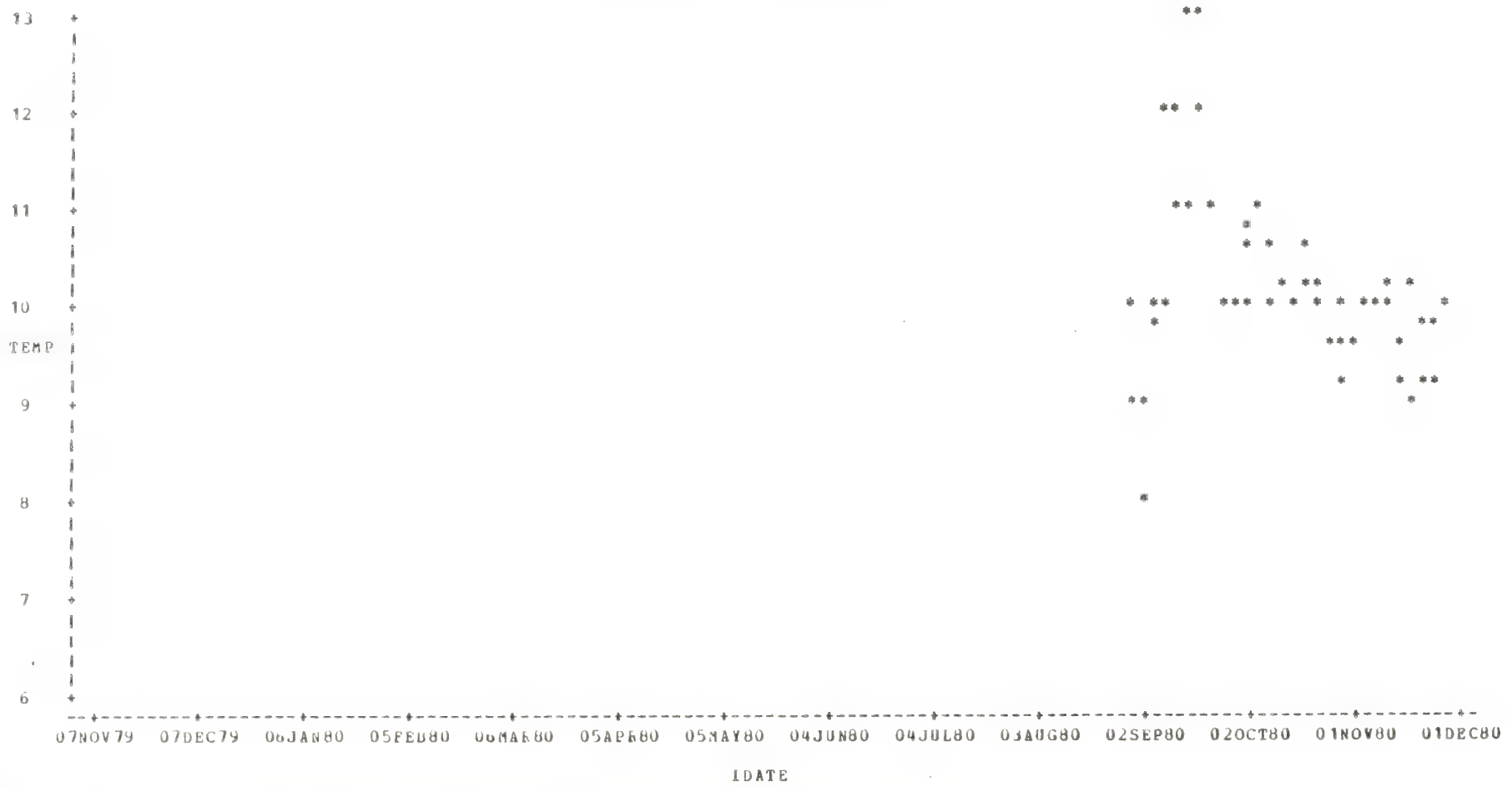
STA	MO	DAY	YR	Q	TEMP	COND	PH
SPG-MILL	4	30	80	5	.	.	0
SPG-MILL	5	1	80	5	.	.	0
SPG-MILL	5	2	80	5	.	.	0
SPG-MILL	5	3	80	5	.	.	0
SPG-MILL	5	4	80	5	.	.	0
SPG-MILL	5	5	80	5	.	.	0
SPG-MILL	5	6	80	5	.	.	0
SPG-MILL	5	7	80	5	.	.	0
SPG-MILL	5	8	80	5	.	.	0
SPG-MILL	5	9	80	5	.	.	0
SPG-MILL	5	10	80	5	.	.	0
SPG-MILL	5	11	80	5	.	.	0
SPG-MILL	5	12	80	5	.	.	0
SPG-MILL	5	13	80	5	.	.	0
SPG-MILL	5	14	80	5	.	.	0
SPG-MILL	5	15	80	5	.	.	0
SPG-MILL	5	16	80	5	.	.	0
SPG-MILL	5	17	80	5	.	.	0
SPG-MILL	5	18	80	5	.	.	0
SPG-MILL	5	19	80	5	.	.	0
SPG-MILL	5	20	80	5	.	.	0
SPG-MILL	5	21	80	5	.	.	0
SPG-MILL	5	22	80	5	.	.	0
SPG-MILL	5	23	80	5	.	.	0
SPG-MILL	5	24	80	5	.	.	0
SPG-MILL	5	25	80	5	.	.	0
SPG-MILL	5	26	80	5	.	.	0
SPG-MILL	5	27	80	5	.	.	0
SPG-MILL	5	28	80	5	.	.	0
SPG-MILL	5	29	80	5	.	.	0
SPG-MILL	5	30	80	4	.	.	0
SPG-MILL	5	31	80	0	.	.	0
SPG-MILL	5	31	80	0	.	.	0



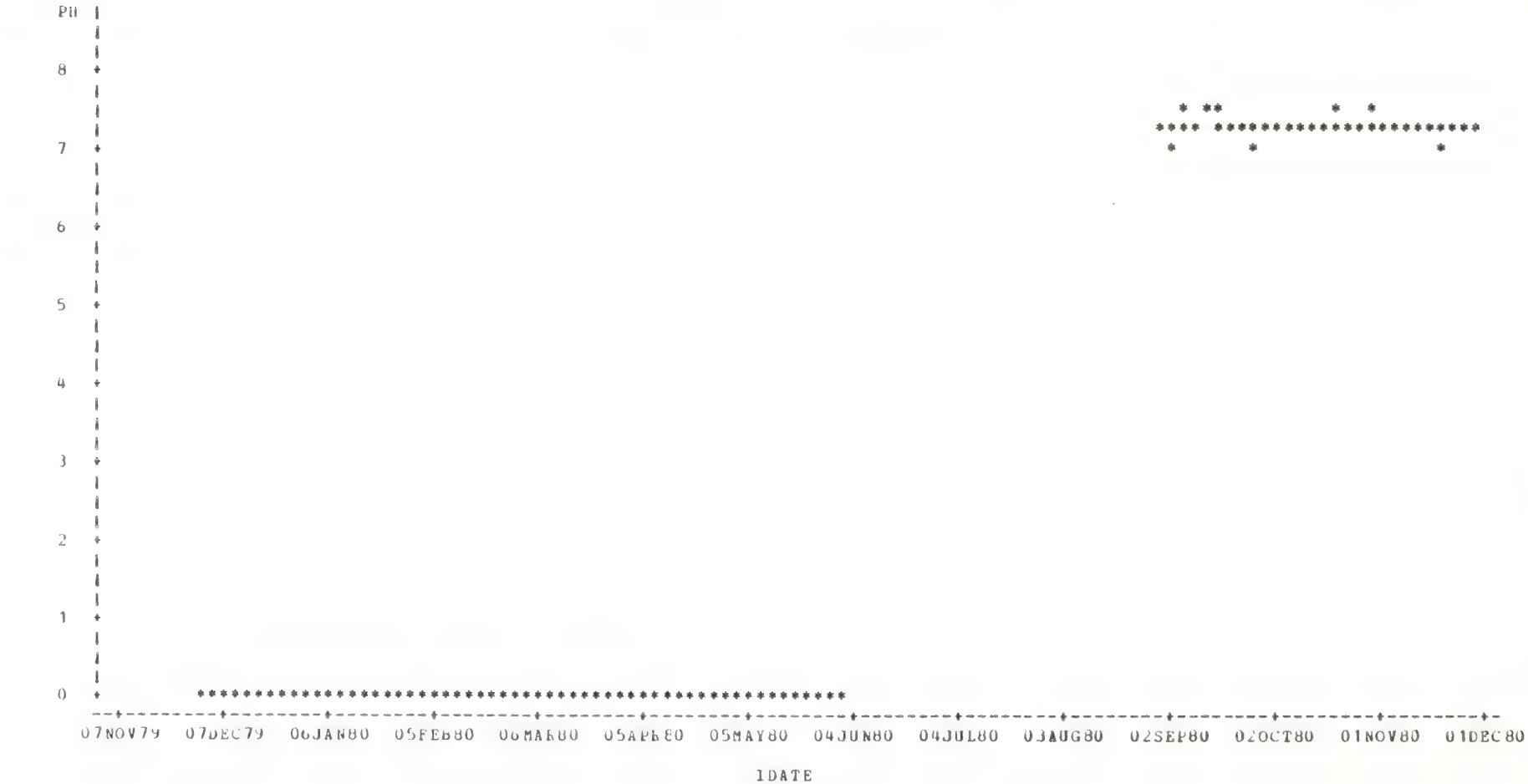
NOTE: 186 OBS HIDDEN



NOTE: 269 OBS HAD MISSING VALUES 10 OBS HIDDEN



NOTE: 269 OBS HAD MISSING VALUES 17 OBS HIDDEN



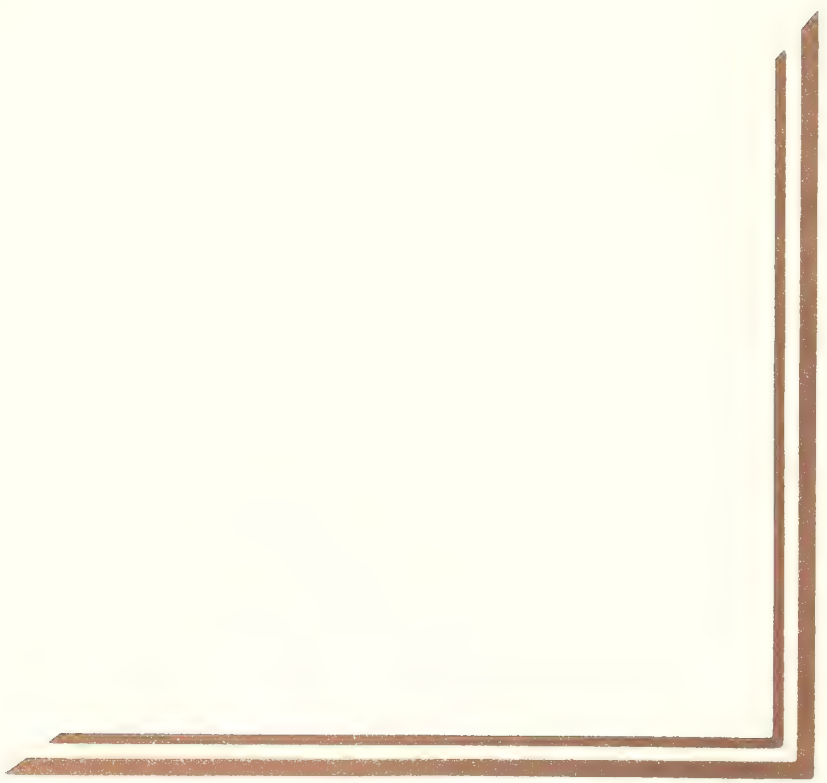
NOTE: 88 OBS HAD MISSING VALUES 154 OBS HIDDEN

Rio Blanco Hydrology Monitoring Program Springs and Seeps Water Quality Data,
1980 Report Year

STA	MO	DY	YR	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL
SPG-01	8	1	80	..	920	7.6	394	449	<1	83	45.1	40	0.5	5.4
SPG-01	10	8	80	7.8	..	..	..	..	..	..	..	..	..	..
SPG-02	8	1	80	..	1010	7.6	414	482	<1	86	46.5	64	0.6	2.4
SPG-02	10	9	80	9.0	..	..	..	..	..	..	..	..	..	..
SPG-03	8	1	80	..	1460	8.1	497	582	<1	104	78	147	1.1	15.9
SPG-03	8	7	80	11.0	1020	8.2	..	476	<1	106	56	90	1.1	10.3
SPG-04	8	7	80	12.0	1180	7.8	493	572	<1	129	70	72	0.8	69
SPG-04	10	29	80	8.0	..	..	..	..	..	..	..	..	..	..
SPG-05	10	9	80	13.8	..	..	..	..	..	..	..	..	..	..
SPG-08	8	7	80	9.5	1140	7.9	340	395	<1	86	53	73	0.8	9.4
SPG-08	10	10	80	9.9	..	..	..	..	..	..	..	..	..	..
SPG-08	10	21	80	7.9	..	..	..	..	..	..	..	..	..	..
SPG-14	8	7	80	20.0	3762	8.2	934	1125	<1	170	198	375	3.0	38
SPG-14	11	3	80	5.0	..	..	..	..	..	..	..	..	..	..
SPG-20	10	24	80	10.0	1110	7.9	423	504	<1	96	71	90	1.0	7.4

Rio Blanco Hydrology Monitoring Program Springs and Seeps Water Quality Data,
1980 Report Year (Continued)

STA	MO	DY	YR	SO4	F	B	DOC	TDS	FE	PO4	SIO2	HARD	NO3	NH3
SPG-01	8	1	80	101	0.33	..	<3	544	<0.05	0.02	32	393	13.5	0.1
SPG-01	10	8	80	..	..	..	69	..	..	..	..	..	..	..
SPG-02	8	1	80	179	0.33	..	<3	652	<0.05	<0.01	32	406	3.6	<0.1
SPG-02	10	9	80	..	..	..	60	..	..	..	..	..	..	..
SPG-03	8	1	80	398	0.35	..	<3	956	<0.05	0.01	25	581	1.7	<0.1
SPG-03	8	7	80	289	0.21	..	..	764	1.6	..	26	495	1.4	0.3
SPG-04	8	7	80	281	0.32	..	..	868	0.7	0.08	30	610	15.3	0.1
SPG-04	10	29	80	..	..	..	65	..	..	..	..	..	..	..
SPG-05	10	9	80	..	..	..	69	..	..	..	..	..	..	..
SPG-08	8	7	80	261	0.28	..	..	744	0.69	0.21	24	433	6.3	<0.1
SPG-08	10	10	80	..	..	..	44	..	..	..	..	..	..	..
SPG-08	10	21	80	..	..	..	60	..	..	..	..	..	..	..
SPG-14	8	7	80	1067	0.38	..	..	2376	0.10	0.28	30	1239	2.0	0.20
SPG-14	11	3	80	..	..	..	87	..	..	..	..	..	..	..
SPG-20	10	24	80	313	0.22	0.33	68	848	<0.05	<0.01	21	532	0.60	0.10



APPENDIX 5-2

Groundwater Data

APPENDIX 5-2.1

Alluvial Aquifer Data
1980 Report Year Physical Data

The following alluvial wells were dry throughout the 1980 report year:

GS-S3	GS-S11AS
GS-S30A	GS-S2
GS-S30AS	GS-S26
GS-S33	GS-S27A
GS-S6	GS-S27AS

Note on the following plots that a water level (WL) of zero indicates dry conditions.

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
1	GS-S11AD	6	2	80	41.7	9.0	4400	7.3
2	GS-S11AD	6	6	80	41.6	10.2	4000	7.6
3	GS-S11AD	6	27	80	42.9	10.7	4150	7.1
4	GS-S11AD	7	3	80	43.4	10.6	4200	7.3
5	GS-S11AD	7	11	80	43.8	9.8	4000	7.5
6	GS-S11AD	7	18	80	44.9	10.0	3950	7.6
7	GS-S11AD	7	24	80	44.8	9.0	3900	7.6
8	GS-S11D	12	3	79	39.3	8.9	3990	7.5
9	GS-S11D	12	7	79	39.6	6.9	4000	7.9
10	GS-S11D	12	10	79	39.7	10.0	5400	7.6
11	GS-S11D	12	14	79	39.9	10.0	5500	7.6
12	GS-S11D	12	17	79	40.0	9.8	5510	7.8
13	GS-S11D	12	21	79	40.2	10.1	5400	7.8
14	GS-S11D	12	23	79	40.3	7.9	3600	7.5
15	GS-S11D	5	5	80	39.6	9.8	2600	7.3
16	GS-S11D	5	9	80	39.3	10.0	2500	7.3
17	GS-S11D	5	12	80	38.0	9.8	2300	7.5
18	GS-S11D	5	16	80	36.2	10.0	2300	7.5
19	GS-S11D	5	19	80	34.8	10.0	2300	7.5
20	GS-S11D	5	22	80	31.5	9.2	2300	7.5
21	GS-S11D	5	26	80	31.0	9.5	2310	7.5
22	GS-S11D	5	30	80	30.7	9.6	2300	7.5
23	GS-S11D	6	2	80	31.1	9.0	2400	7.5
24	GS-S11D	6	6	80	32.0	11.0	2400	7.7
25	GS-S11D	6	14	80	32.2	9.8	2400	7.6
26	GS-S11D	6	16	80	33.2	10.0	2475	7.6
27	GS-S11D	6	20	80	33.9	10.5	2500	7.5
28	GS-S11D	6	23	80	34.2	10.5	2600	7.5
29	GS-S11D	6	27	80	35.0	10.8	2650	7.5
30	GS-S11D	6	30	80	35.1	12.0	2550	7.7
31	GS-S11D	7	3	80	35.4	12.0	2600	7.6
32	GS-S11D	7	7	80	35.8	11.8	2600	7.6
33	GS-S11D	7	11	80	36.0	12.0	2625	7.7
34	GS-S11D	7	14	80	36.3	12.1	2600	7.7
35	GS-S11D	7	20	80	38.2	11.1	2500	7.6
36	GS-S11D	7	24	80	37.2	9.0	2500	7.4
37	GS-S11D	7	28	80	37.5	10.2	2550	7.5
38	GS-S11D	8	8	80	38.5	10.5	2200	7.6
39	GS-S11D	8	21	80	39.1	10.0	2500	7.5

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
40	GS-S11D	8	21	80	.	10.0	2500	7.5
41	GS-S11D	8	29	80	39.30	9.0	2450	7.4
42	GS-S11D	9	5	80	39.40	9.0	2600	7.7
43	GS-S11D	9	8	80	39.40	9.0	2450	7.4
44	GS-S11D	9	15	80	39.40	13.0	2400	7.5
45	GS-S11D	9	26	80	39.40	10.8	2300	7.5
46	GS-S11D	10	10	80	39.60	10.1	2200	7.5
47	GS-S11D	10	16	80	39.70	8.2	2550	7.4
48	GS-S11D	10	23	80	40.00	10.0	2375	7.4
49	GS-S11D	10	30	80	40.10	9.8	2250	7.6
50	GS-S11D	11	14	80	40.70	8.5	2300	7.5
51	GS-S11D	11	21	80	41.10	9.0	2350	7.3
52	GS-S11D	11	26	80	41.30	8.9	2350	7.5
53	GS-S11S	5	22	80	31.10	10.2	2000	7.6
54	GS-S11S	6	2	80	30.80	9.0	1600	7.6
55	GS-S11S	6	6	80	31.70	10.5	1710	7.9
56	GS-S11S	6	14	80	32.80	11.0	1750	7.4
57	GS-S11S	6	16	80	32.90	11.0	1750	7.5
58	GS-S11S	6	20	80	33.60	11.8	1700	7.6
59	GS-S11S	6	23	80	33.90	11.5	1795	7.6
60	GS-S11S	6	27	80	34.60	11.0	1975	7.6
61	GS-S11S	6	30	80	34.70	14.5	1800	7.6
62	GS-S11S	7	3	80	35.10	13.0	1800	7.6
63	GS-S11S	7	7	80	35.40	13.5	1775	7.6
64	GS-S11S	7	11	80	35.90	13.5	1800	7.5
65	GS-S11S	7	14	80	36.00	14.0	1800	7.6
66	GS-S11S	7	18	80	36.50	13.0	1825	7.5
67	GS-S11S	7	21	80	36.90	13.0	1825	7.6
68	GS-S11S	7	25	80	36.70	13.0	1850	7.5
69	GS-S11S	7	29	80	36.90	10.0	1900	7.5
70	GS-S24	12	3	79	7.20	7.3	1625	7.6
71	GS-S24	12	31	79	7.50	5.1	1600	7.9
72	GS-S24	1	7	80	7.60	7.0	1700	7.7
73	GS-S24	1	25	80	7.75	7.2	1675	7.9
74	GS-S24	2	4	80	7.70	7.2	1750	7.9
75	GS-S24	2	25	80	7.70	7.6	1700	8.0
76	GS-S24	3	3	80	8.00	7.5	1700	7.6
77	GS-S24	3	31	80	8.30	8.0	1710	7.6
78	GS-S24	4	8	80	8.20	9.0	1650	7.6

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
79	GS-S24	4	25	80	8.8	10.0	1650	7.5
80	GS-S24	5	5	80	8.7	8.3	1750	7.5
81	GS-S24	5	26	80	8.7	8.6	1750	7.5
82	GS-S24	6	2	80	8.7	8.0	1700	7.7
83	GS-S24	6	30	80	5.4	14.0	1750	7.8
84	GS-S24	7	3	80	5.2	12.0	1725	7.7
85	GS-S24	7	24	80	5.8	10.0	1600	7.6
86	GS-S24	9	3	80	7.5	10.0	1900	7.5
87	GS-S24	9	8	80	7.6	9.8	1675	7.5
88	GS-S24	10	16	80	8.5	7.5	1625	7.4
89	GS-S24	11	21	80	8.9	9.0	1700	7.2
90	GS-S27	12	3	79	29.6	9.0	1525	7.6
91	GS-S27	12	10	79	29.1	9.6	1600	7.6
92	GS-S27	12	14	79	28.9	9.8	1600	7.6
93	GS-S27	12	17	79	28.7	9.9	1650	7.7
94	GS-S27	12	21	79	28.5	10.0	1600	7.6
95	GS-S27	12	23	79	28.3	7.8	1600	7.7
96	GS-S27	12	29	79	28.5	7.0	1525	7.4
97	GS-S27	12	31	79	28.2	6.6	1575	7.3
98	GS-S27	1	4	80	28.3	7.2	1600	7.6
99	GS-S27	1	7	80	28.0	7.1	1550	7.6
100	GS-S27	1	11	80	28.1	6.5	1700	7.5
101	GS-S27	1	14	80	28.2	7.1	1500	7.6
102	GS-S27	1	18	80	28.2	7.0	1500	7.6
103	GS-S27	1	21	80	28.1	7.2	1550	7.5
104	GS-S27	1	25	80	28.2	6.5	1500	7.6
105	GS-S27	1	28	80	27.9	6.0	1500	7.5
106	GS-S27	2	1	80	28.0	8.8	1350	7.5
107	GS-S27	2	4	80	27.9	8.6	1425	7.5
108	GS-S27	2	8	80	27.9	7.8	1550	7.5
109	GS-S27	2	11	80	27.6	8.9	1500	7.5
110	GS-S27	2	15	80	27.7	8.8	1475	7.4
111	GS-S27	2	18	80	27.6	8.8	1500	7.5
112	GS-S27	2	22	80	27.1	8.5	1500	7.4
113	GS-S27	2	25	80	27.0	7.9	1475	7.4
114	GS-S27	2	29	80	27.0	8.2	1475	7.4
115	GS-S27	3	3	80	26.6	9.5	1600	7.4
116	GS-S27	3	7	80	26.6	9.5	1600	7.4
117	GS-S27	3	10	80	26.7	10.0	1500	7.4

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
118	GS-S27	3	14	80	26.5	9.8	1500	7.4
119	GS-S27	3	17	80	26.9	9.9	1525	7.4
120	GS-S27	3	21	80	26.8	8.9	1525	7.4
121	GS-S27	3	24	80	26.7	9.4	1530	7.5
122	GS-S27	3	28	80	26.8	9.9	1500	7.4
123	GS-S27	4	4	80	26.8	7.7	1400	7.7
124	GS-S27	4	8	80	26.7	8.8	1420	7.7
125	GS-S27	4	11	80	27.0	9.9	1420	7.6
126	GS-S27	4	14	80	26.8	9.9	1450	7.7
127	GS-S27	4	17	80	26.7	9.4	1420	7.5
128	GS-S27	4	20	80	26.7	9.9	1400	7.6
129	GS-S27	4	23	80	26.6	10.6	1420	7.6
130	GS-S27	4	26	80	26.7	11.1	1420	7.7
131	GS-S27	5	3	80	25.9	10.0	1500	7.5
132	GS-S27	5	5	80	25.7	10.1	1500	7.4
133	GS-S27	5	9	80	25.2	10.0	1525	7.4
134	GS-S27	5	11	80	25.1	9.0	1500	7.6
135	GS-S27	5	16	80	25.7	9.1	1500	7.5
136	GS-S27	5	19	80	25.4	9.0	1510	7.5
137	GS-S27	5	23	80	25.6	9.2	1500	7.4
138	GS-S27	5	26	80	25.8	9.5	1505	7.4
139	GS-S27	5	30	80	26.0	9.1	1500	7.4
140	GS-S27	6	2	80	26.2	10.5	1400	7.5
141	GS-S27	6	6	80	26.3	11.0	1400	7.5
142	GS-S27	6	13	80	26.6	11.6	1500	7.6
143	GS-S27	6	16	80	26.5	11.5	1500	7.6
144	GS-S27	6	20	80	26.7	11.8	1400	7.7
145	GS-S27	6	23	80	26.7	11.0	1475	7.7
146	GS-S27	6	27	80	26.9	10.0	1550	7.5
147	GS-S27	7	3	80	26.9	10.0	1525	7.5
148	GS-S27	7	7	80	27.0	9.8	1550	7.6
149	GS-S27	7	11	80	27.1	10.2	1550	7.6
150	GS-S27	7	14	80	27.0	10.2	1525	7.5
151	GS-S27	7	18	80	26.8	10.0	1500	7.5
152	GS-S27	7	23	80	27.0	9.0	1500	7.6
153	GS-S27	7	25	80	26.9	10.0	1500	7.6
154	GS-S27	7	28	80	26.8	10.0	1500	7.5
155	GS-S27	8	1	80	27.1	11.0	1550	7.6
156	GS-S27	8	8	80	27.1	10.5	1350	7.7

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
157	GS-S27	8	18	80	27.20	10.0	1600	7.7
158	GS-S27	8	29	80	27.40	9.8	1510	7.3
159	GS-S27	9	3	80	27.40	10.0	1700	7.3
160	GS-S27	9	8	80	27.60	10.0	1475	7.5
161	GS-S27	9	15	80	27.80	12.0	1525	7.3
162	GS-S27	9	26	80	27.40	11.0	1450	7.8
163	GS-S27	10	10	80	28.00	10.2	1425	7.4
164	GS-S27	10	17	80	28.10	10.0	1470	7.6
165	GS-S27	10	23	80	28.30	8.7	1500	7.6
166	GS-S27	10	30	80	28.10	8.5	1475	7.5
167	GS-S27	11	6	80	27.20	10.0	1500	7.4
168	GS-S27	11	14	80	28.60	8.7	1550	7.3
169	GS-S27	11	21	80	28.50	9.0	1550	7.1
170	GS-S27	11	26	80	28.60	8.8	1425	7.4
171	GS-S28AD	3	3	80	4.30	5.0	2100	7.7
172	GS-S28AD	4	23	80	4.10	7.5	1950	7.7
173	GS-S28AD	5	22	80	7.00	7.5	2000	7.6
174	GS-S28AD	6	23	80	4.30	11.5	1900	7.9
175	GS-S28AD	7	31	80	5.80	11.0	2100	7.9
176	GS-S28AD	8	21	80	6.50	12.0	1800	7.9
177	GS-S28AD	8	21	80	6.50	12.0	1800	7.9
178	GS-S28AD	9	25	80	6.80	11.0	1325	8.1
179	GS-S28AD	10	28	80	5.90	8.8	1625	7.7
180	GS-S28AD	11	20	80	5.50	7.7	1900	7.7
181	GS-S28AS	3	3	80	3.45	4.0	2250	8.0
182	GS-S28AS	4	23	80	3.30	6.0	2100	7.5
183	GS-S28AS	5	22	80	8.30	8.0	2700	7.3
184	GS-S28AS	6	23	80	3.50	9.0	2700	7.3
185	GS-S28AS	7	31	80	5.00	11.0	2800	7.6
186	GS-S28AS	8	21	80	5.70	10.0	2400	7.5
187	GS-S28AS	8	21	80	5.70	10.0	2400	7.5
188	GS-S28AS	9	25	80	6.00	10.0	2100	7.5
189	GS-S28AS	10	28	80	5.20	8.0	2150	7.5
190	GS-S28AS	11	20	80	4.70	8.0	2500	7.5
191	GS-S28D	4	23	80	7.00	4.5	2150	7.5
192	GS-S28D	5	22	80	4.00	10.5	1900	7.9
193	GS-S28D	6	23	80	7.20	8.0	1900	7.4
194	GS-S28D	7	31	80	8.90	9.8	2100	7.6
195	GS-S28D	8	21	80	9.40	9.8	1900	7.6

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
196	GS-S28D	8	21	80	9.4	9.8	1900	7.6
197	GS-S28D	9	25	80	9.6	10.0	2000	7.7
198	GS-S28D	10	28	80	8.8	10.0	1900	7.5
199	GS-S28D	11	20	80	8.2	9.0	2000	7.5
200	GS-S28S	3	3	80	6.8	5.5	2700	7.6
201	GS-S28S	4	23	80	6.8	4.5	2100	7.5
202	GS-S28S	5	22	80	6.6	7.0	5220	7.5
203	GS-S28S	6	23	80	6.8	8.0	5000	7.3
204	GS-S28S	7	31	80	8.4	10.7	5000	7.4
205	GS-S28S	8	21	80	9.0	9.8	5000	7.6
206	GS-S28S	8	21	80	9.0	9.8	5000	7.6
207	GS-S28S	9	25	80	9.2	10.0	5000	7.6
208	GS-S28S	10	28	80	8.2	9.9	4100	7.4
209	GS-S28S	11	20	80	7.8	9.0	4100	7.5
210	GS-S29AD	3	26	80	29.1	8.2	2400	7.4
211	GS-S29AD	4	23	80	28.6	8.7	2600	7.4
212	GS-S29AD	5	20	80	28.5	9.2	2200	7.4
213	GS-S29AD	6	25	80	29.5	10.5	2250	7.6
214	GS-S29AD	7	30	80	30.4	9.0	2490	7.6
215	GS-S29AD	8	21	80	30.1	10.0	2200	7.5
216	GS-S29AD	8	21	80	30.1	10.0	2200	7.5
217	GS-S29AD	9	25	80	29.8	9.0	2300	7.8
218	GS-S29AD	10	28	80	29.9	7.8	2100	7.6
219	GS-S29AD	11	20	80	29.0	7.5	2300	7.4
220	GS-S29AS	3	26	80	29.6	8.0	3750	7.3
221	GS-S29AS	4	23	80	29.2	10.0	3510	7.3
222	GS-S29AS	5	20	80	29.1	9.5	3000	7.3
223	GS-S29AS	6	25	80	30.4	11.0	3200	7.5
224	GS-S29AS	10	28	80	30.5	7.8	3050	7.3
225	GS-S29AS	11	20	80	29.5	7.0	3450	7.4
226	GS-S29D	3	26	80	29.5	8.0	4700	7.6
227	GS-S29D	4	23	80	29.2	9.0	4750	7.8
228	GS-S29D	5	20	80	29.4	17.5	4200	7.5
229	GS-S29D	6	25	80	30.5	10.0	4300	7.8
230	GS-S29D	7	30	80	31.6	10.0	4300	7.6
231	GS-S29D	8	21	80	31.4	8.0	4200	7.7
232	GS-S29D	8	21	80	31.4	8.0	4200	7.7
233	GS-S29D	9	25	80	31.6	8.5	4500	7.8
234	GS-S29D	10	28	80	31.8	7.8	4075	7.6

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
235	GS-S29D	11	20	80	30.4	7.5	4500	7.6
236	GS-S30AD	8	21	80	27.3	9.0	2100	7.7
237	GS-S30D	6	25	80	26.2	9.5	2075	7.7
238	GS-S30D	7	30	80	27.2	9.8	2050	7.7
239	GS-S30D	8	21	80	27.3	9.0	2100	7.7
240	GS-S30D	9	25	80	27.4	9.0	2300	7.7
241	GS-S30D	10	28	80	27.4	7.8	2050	7.3
242	GS-S30D	11	21	80	26.8	8.5	2100	7.3
243	GS-S7	12	3	79	24.8	8.9	1100	7.5
244	GS-S7	12	7	79	25.0	7.1	1300	7.7
245	GS-S7	12	10	79	25.6	8.6	1200	7.6
246	GS-S7	12	14	79	25.5	8.8	1250	7.6
247	GS-S7	12	17	79	25.7	8.8	1275	7.6
248	GS-S7	12	21	79	26.0	8.6	1250	7.7
249	GS-S7	12	23	79	26.0	7.8	1200	7.6
250	GS-S7	12	29	79	26.2	7.2	1250	7.4
251	GS-S7	12	31	79	26.0	7.1	1200	7.4
252	GS-S7	1	4	80	26.1	8.4	1225	7.6
253	GS-S7	1	7	80	25.8	8.2	1225	7.5
254	GS-S7	1	11	80	25.5	7.0	1210	7.5
255	GS-S7	1	14	80	25.4	8.4	1225	7.6
256	GS-S7	1	18	80	25.7	7.8	1200	7.5
257	GS-S7	1	21	80	25.9	6.7	1200	7.6
258	GS-S7	1	26	80	24.0	7.8	1225	7.5
259	GS-S7	1	28	80	23.5	7.5	1200	7.4
260	GS-S7	1	30	80	23.6	7.5	1200	7.6
261	GS-S7	2	1	80	23.5	8.8	1200	7.5
262	GS-S7	2	4	80	23.5	7.6	1250	7.5
263	GS-S7	2	8	80	23.6	6.8	1325	7.4
264	GS-S7	2	11	80	23.9	7.9	1150	7.4
265	GS-S7	2	15	80	23.7	8.2	1200	7.5
266	GS-S7	2	18	80	23.4	8.0	1225	7.5
267	GS-S7	2	22	80	23.7	7.6	1275	7.5
268	GS-S7	2	25	80	24.5	7.6	1250	7.4
269	GS-S7	2	29	80	25.2	8.1	1300	7.4
270	GS-S7	3	3	80	25.4	13.8	1100	7.4
271	GS-S7	3	7	80	25.8	13.0	1200	7.4
272	GS-S7	3	10	80	25.9	10.0	1200	7.3
273	GS-S7	3	14	80	25.8	11.0	1200	7.4

1980 REPORT YEAR

GROUND WATER PHYSICAL DATA

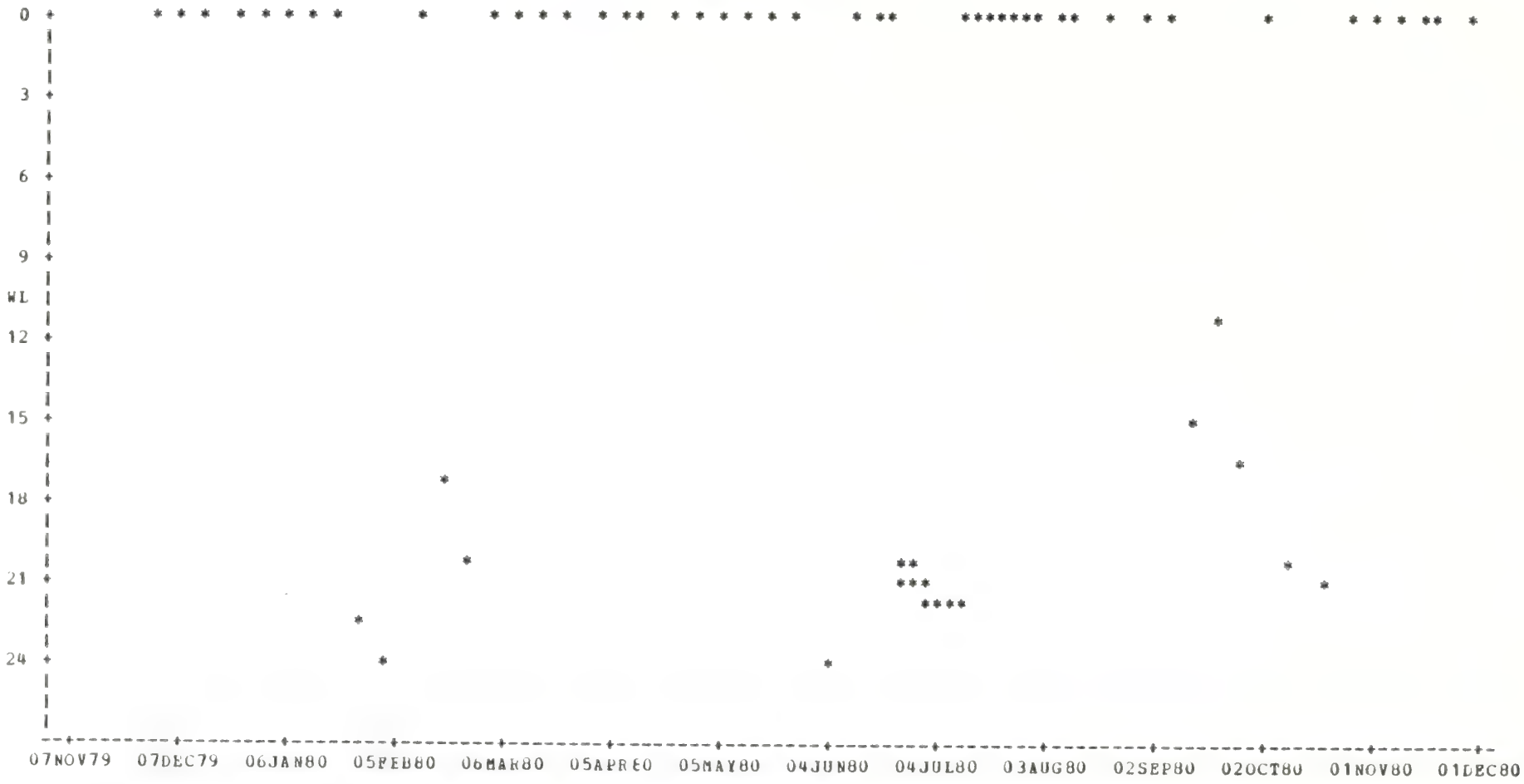
OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
274	GS-S7	3	17	80	25.70	12.0	1175	7.4
275	GS-S7	3	21	80	25.50	12.0	1200	7.4
276	GS-S7	3	25	80	25.30	12.5	1200	7.4
277	GS-S7	3	31	80	25.00	13.0	1175	7.3
278	GS-S7	4	4	80	24.70	8.3	1225	7.5
279	GS-S7	4	8	80	24.90	7.7	1200	7.5
280	GS-S7	4	11	80	25.00	7.7	1250	7.5
281	GS-S7	4	14	80	24.70	9.9	1400	7.5
282	GS-S7	4	19	80	24.20	9.8	1300	7.3
283	GS-S7	4	21	80	24.20	10.0	1300	7.3
284	GS-S7	4	25	80	24.50	12.0	1275	7.2
285	GS-S7	4	28	80	24.50	12.0	1300	7.3
286	GS-S7	5	2	80	24.60	8.2	1190	7.4
287	GS-S7	5	6	80	24.10	8.2	1200	7.5
288	GS-S7	5	9	80	24.00	7.9	1225	7.4
289	GS-S7	5	11	80	23.65	8.0	1200	7.4
290	GS-S7	5	15	80	22.70	10.0	1200	7.4
291	GS-S7	5	16	80	22.70	8.8	1200	7.5
292	GS-S7	5	19	80	21.50	9.0	1210	7.4
293	GS-S7	5	23	80	20.50	9.0	1200	7.4
294	GS-S7	5	26	80	20.30	9.1	1225	7.5
295	GS-S7	5	30	80	21.00	9.0	1225	7.5
296	GS-S7	6	2	80	19.20	10.0	1150	7.5
297	GS-S7	6	6	80	19.40	10.0	1175	7.6
298	GS-S7	6	13	80	19.60	10.5	1125	7.8
299	GS-S7	6	16	80	19.90	10.5	1125	7.8
300	GS-S7	6	20	80	20.20	10.2	1150	7.7
301	GS-S7	6	23	80	20.40	10.0	1190	7.5
302	GS-S7	6	27	80	20.90	10.0	1225	7.4
303	GS-S7	7	3	80	21.10	10.5	1225	7.4
304	GS-S7	7	7	80	21.40	10.6	1250	7.4
305	GS-S7	7	11	80	21.80	10.2	1250	7.5
306	GS-S7	7	14	80	21.60	10.2	1225	7.4
307	GS-S7	7	18	80	21.80	9.9	1200	7.5
308	GS-S7	7	23	80	21.80	9.0	1100	7.5
309	GS-S7	7	25	80	21.80	10.0	1200	7.4
310	GS-S7	7	28	80	22.10	9.9	1225	7.4
311	GS-S7	8	1	80	21.60	10.0	1250	7.5
312	GS-S7	8	8	80	21.30	11.0	1000	7.7

1980 REPORT YEAR

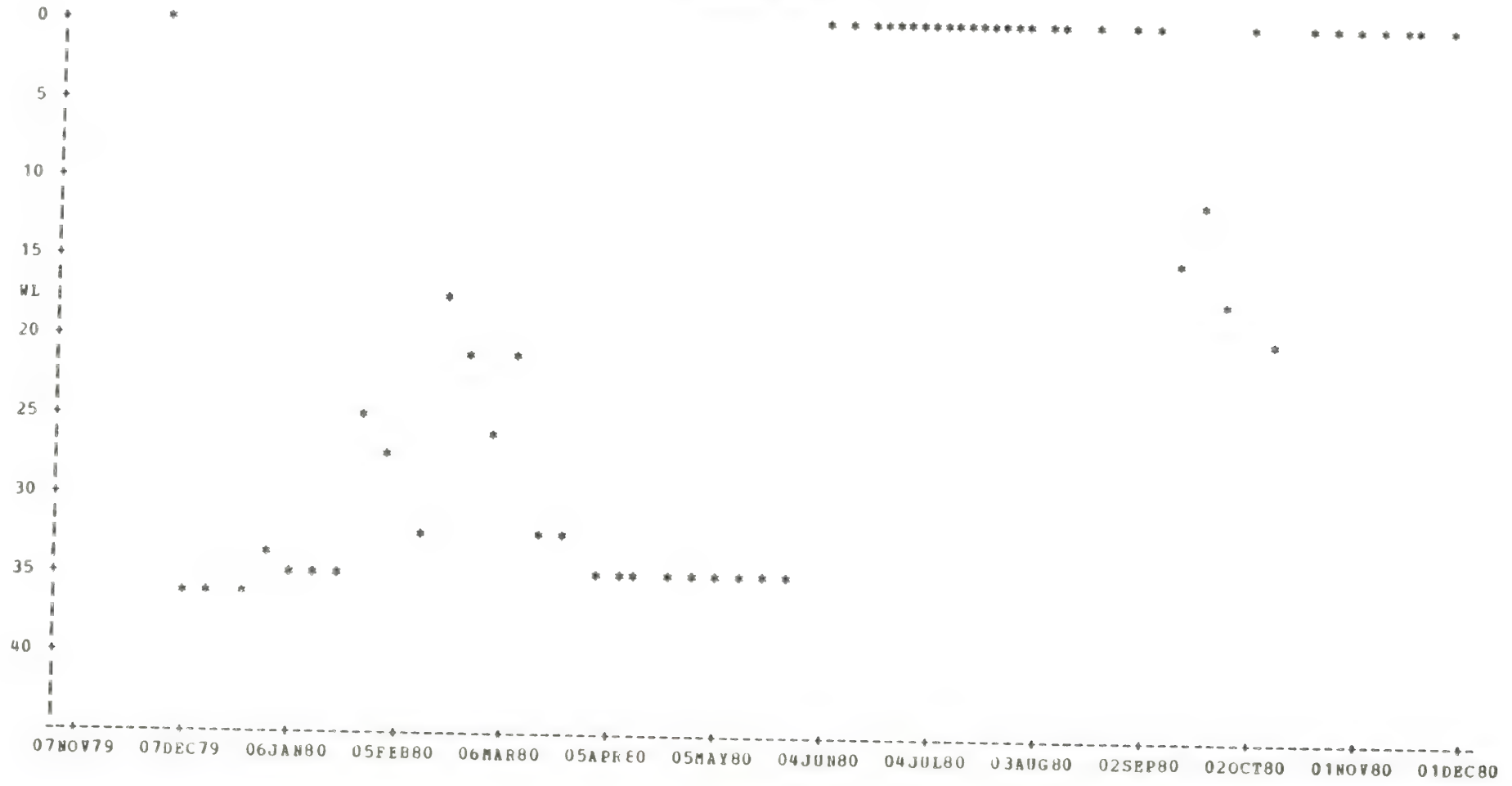
GROUND WATER PHYSICAL DATA

OBS	STA	MO	DAY	YR	WL	TEMP	COND	PH
313	GS-S7	8	18	80	21.7	10.0	1300	7.9
314	GS-S7	8	29	80	23.7	9.0	1150	7.5
315	GS-S7	9	3	80	24.6	9.5	1300	7.1
316	GS-S7	9	8	80	25.0	10.0	1150	7.5
317	GS-S7	9	15	80	25.0	11.0	1125	7.5
318	GS-S7	9	26	80	25.0	11.0	1100	7.5
319	GS-S7	10	10	80	25.4	10.0	1100	7.4
320	GS-S7	10	16	80	25.4	8.5	1150	7.4
321	GS-S7	10	23	80	25.7	8.2	1150	7.5
322	GS-S7	10	30	80	25.3	8.5	1150	7.5
323	GS-S7	11	6	80	25.7	10.0	1250	7.3
324	GS-S7	11	14	80	25.9	8.8	1175	7.2
325	GS-S7	11	21	80	24.8	9.5	1200	7.4
326	GS-S7	11	26	80	24.0	9.8	1050	7.5
327	GS-S8	11	20	80	39.7	8.0	825	7.2

1980 REPORT YEAR
STA=GS-S1



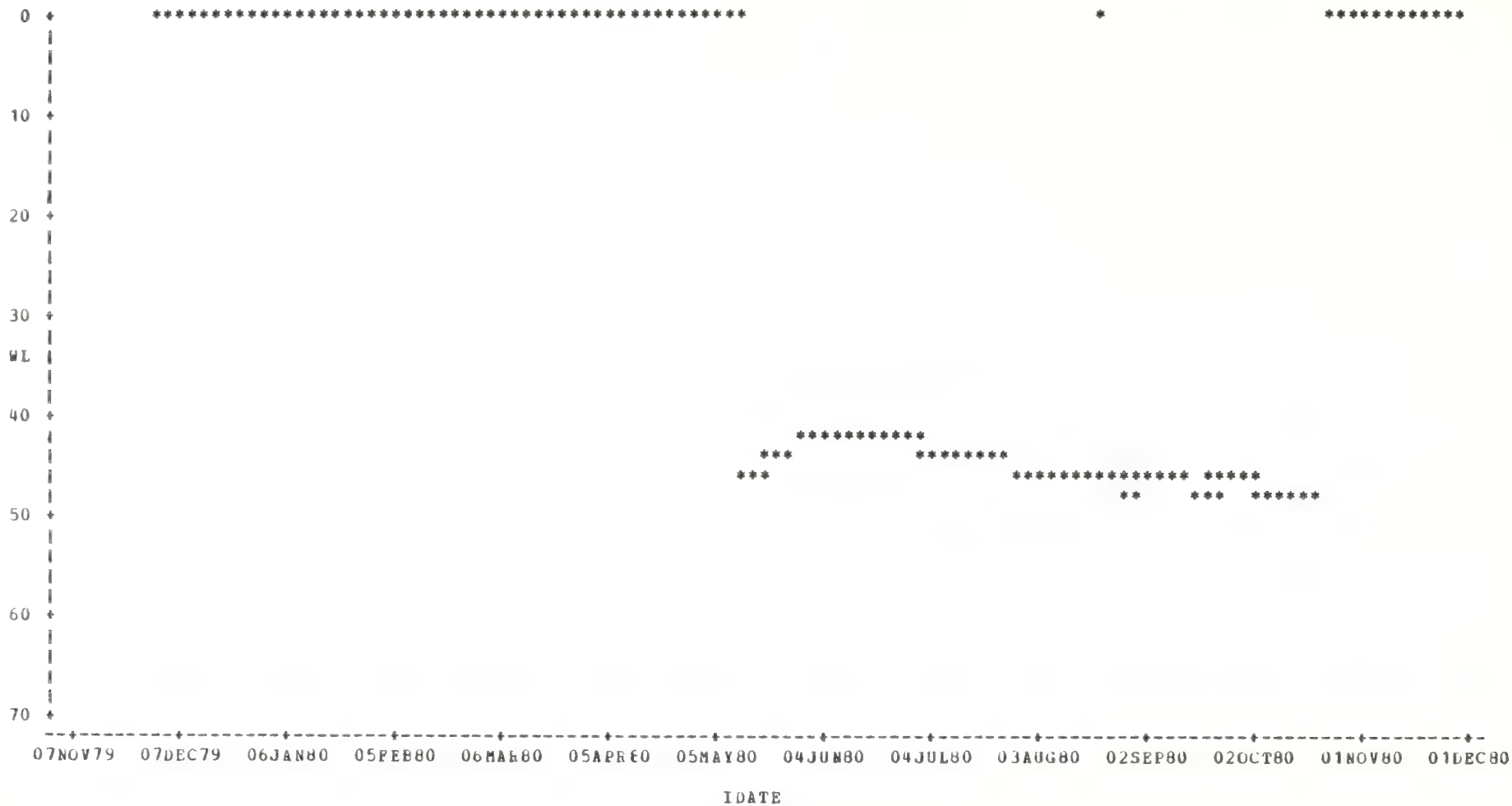
NOTE: 27 OBS HIDDEN



NOTE: 31 OBS HIDDEN

1980 REPORT YEAR

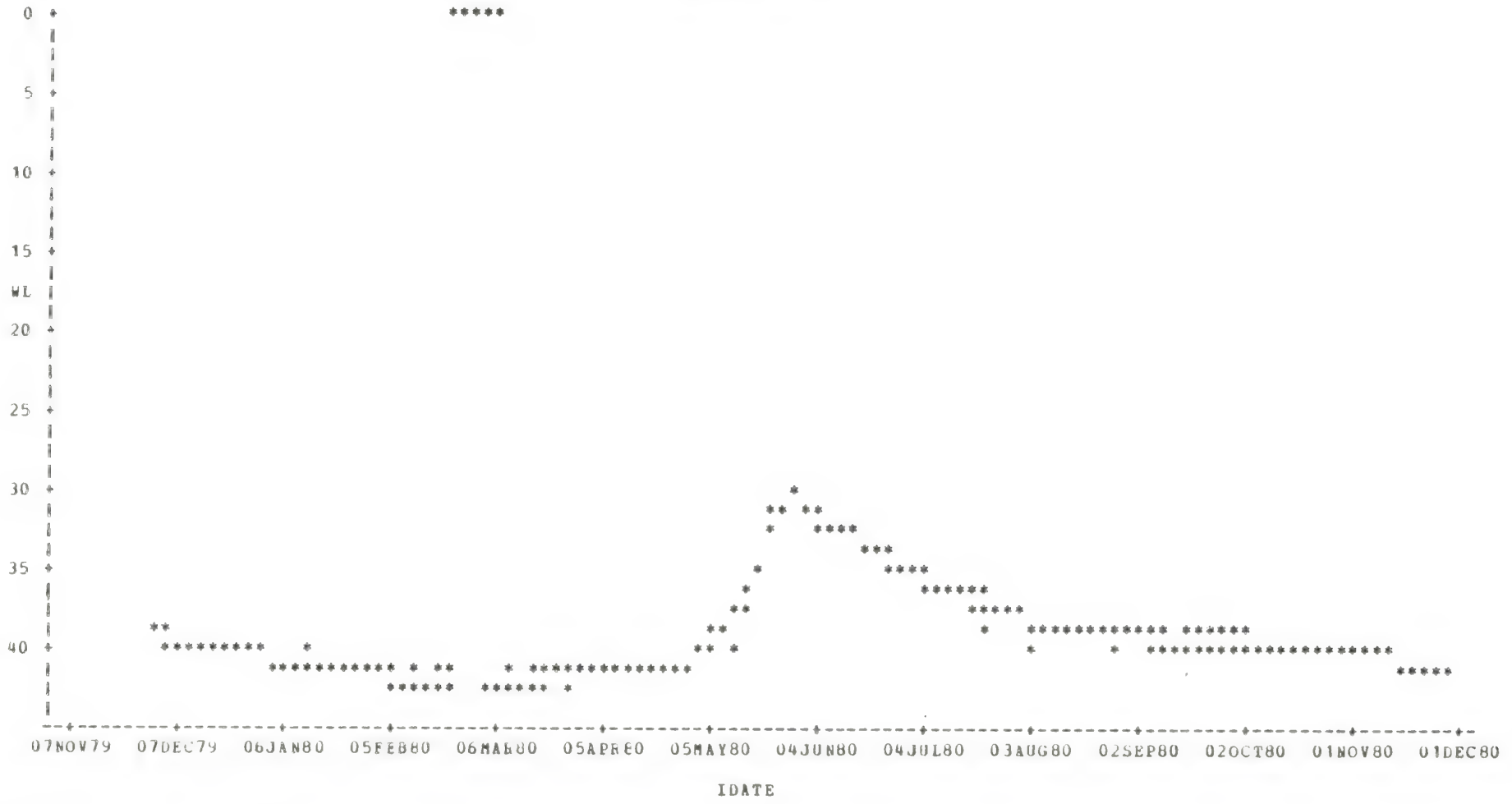
STA=GS-S11AD



NOTE: 1 OBS HAD MISSING VALUES 213 OBS HIDDEN

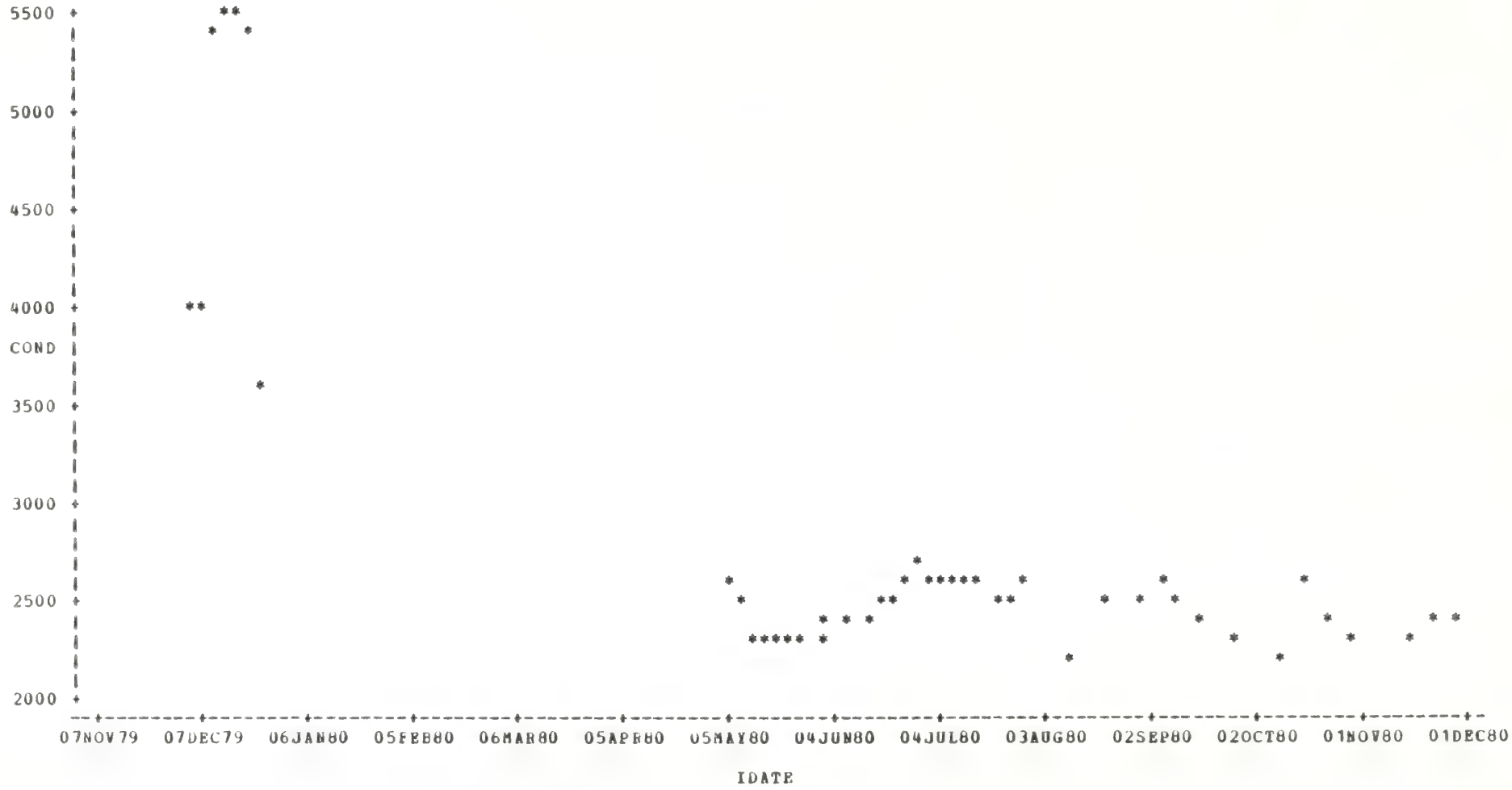
1980 REPORT YEAR

STA=GS-S11D

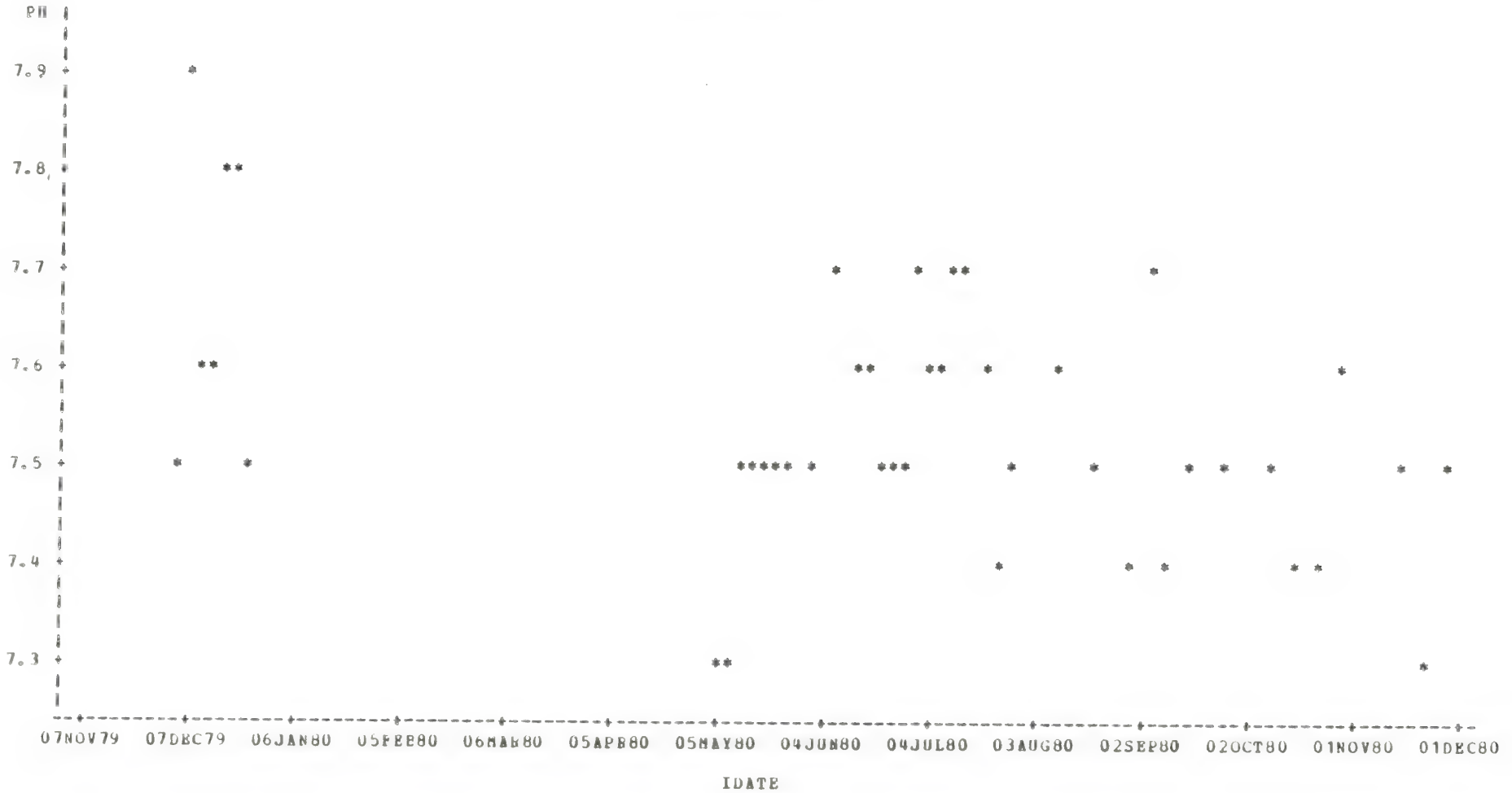


NOTE: 1 OBS HAD MISSING VALUES 188 OBS HIDDEN

1980 REPORT YEAR
STA=GS-S11D



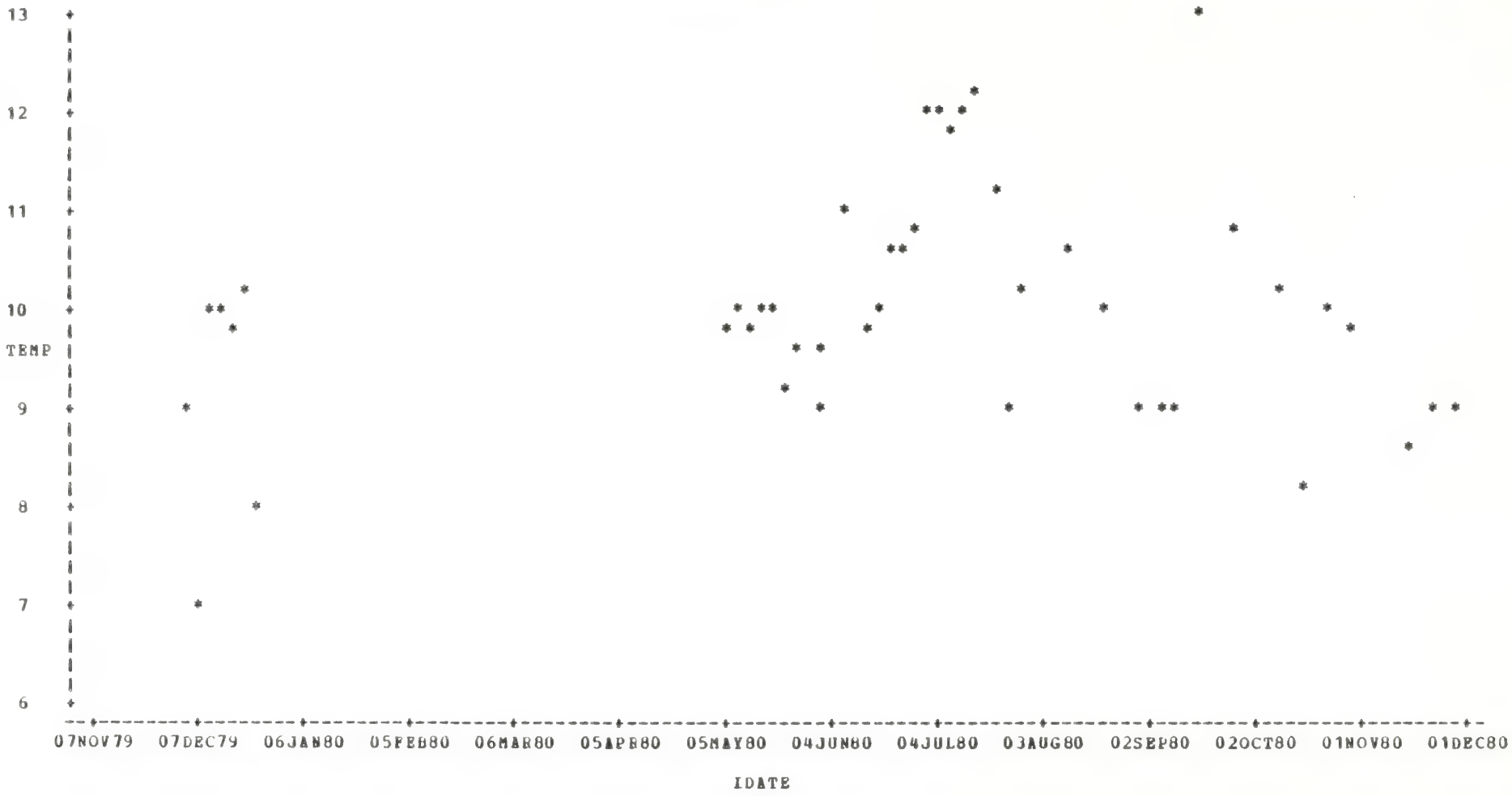
NOTE: 287 OBS HAD MISSING VALUES 1 OBS HIDDEN



NOTE: 287 OBS HAD MISSING VALUES 2 OBS HIDDEN

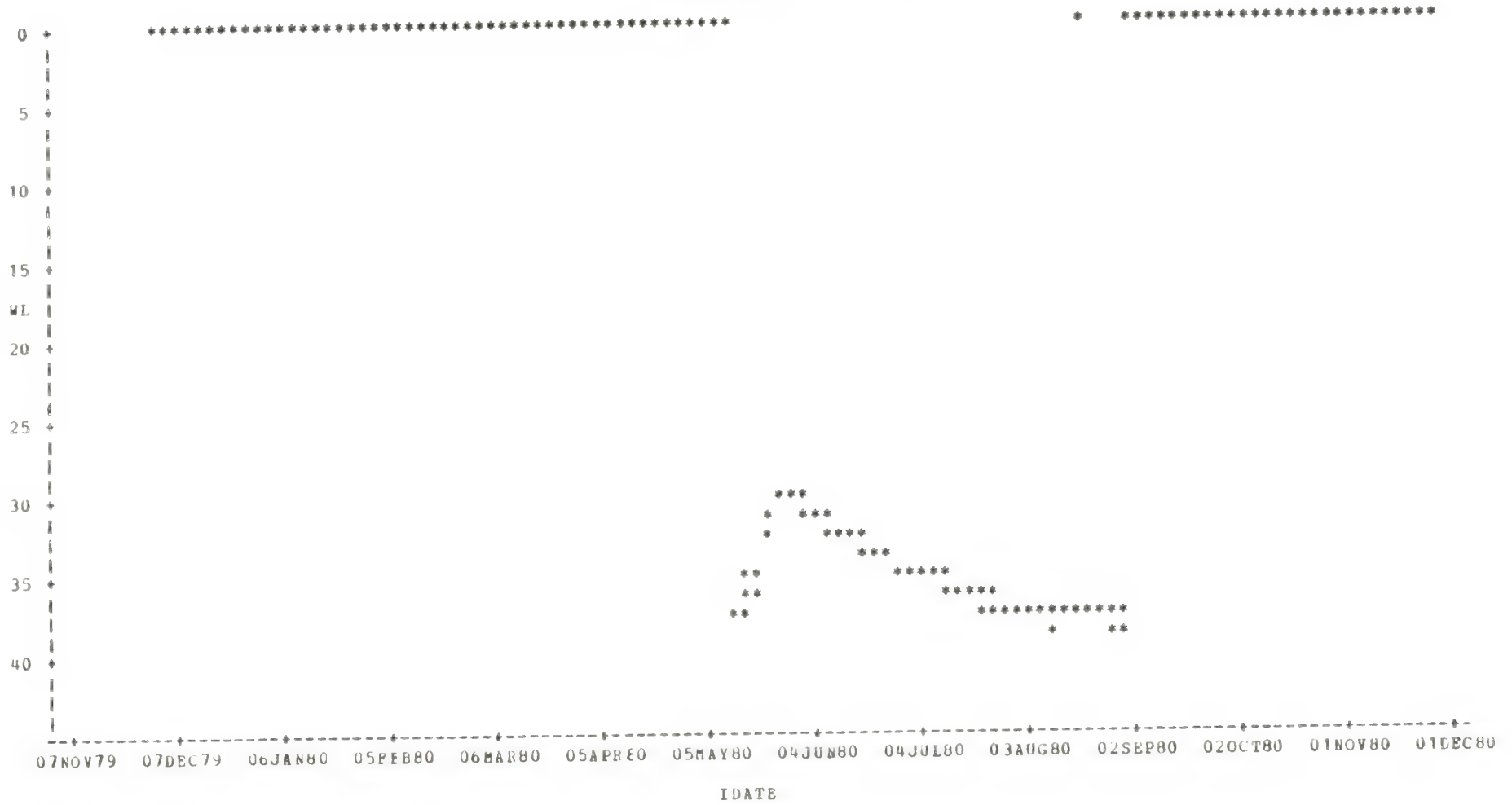
1980 REPORT YEAR

STA=GS-S11D



NOTE: 287 OBS HAD MISSING VALUES 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-S11S



NOTE: 210 OBS HIDDEN

1980 REPORT YEAR
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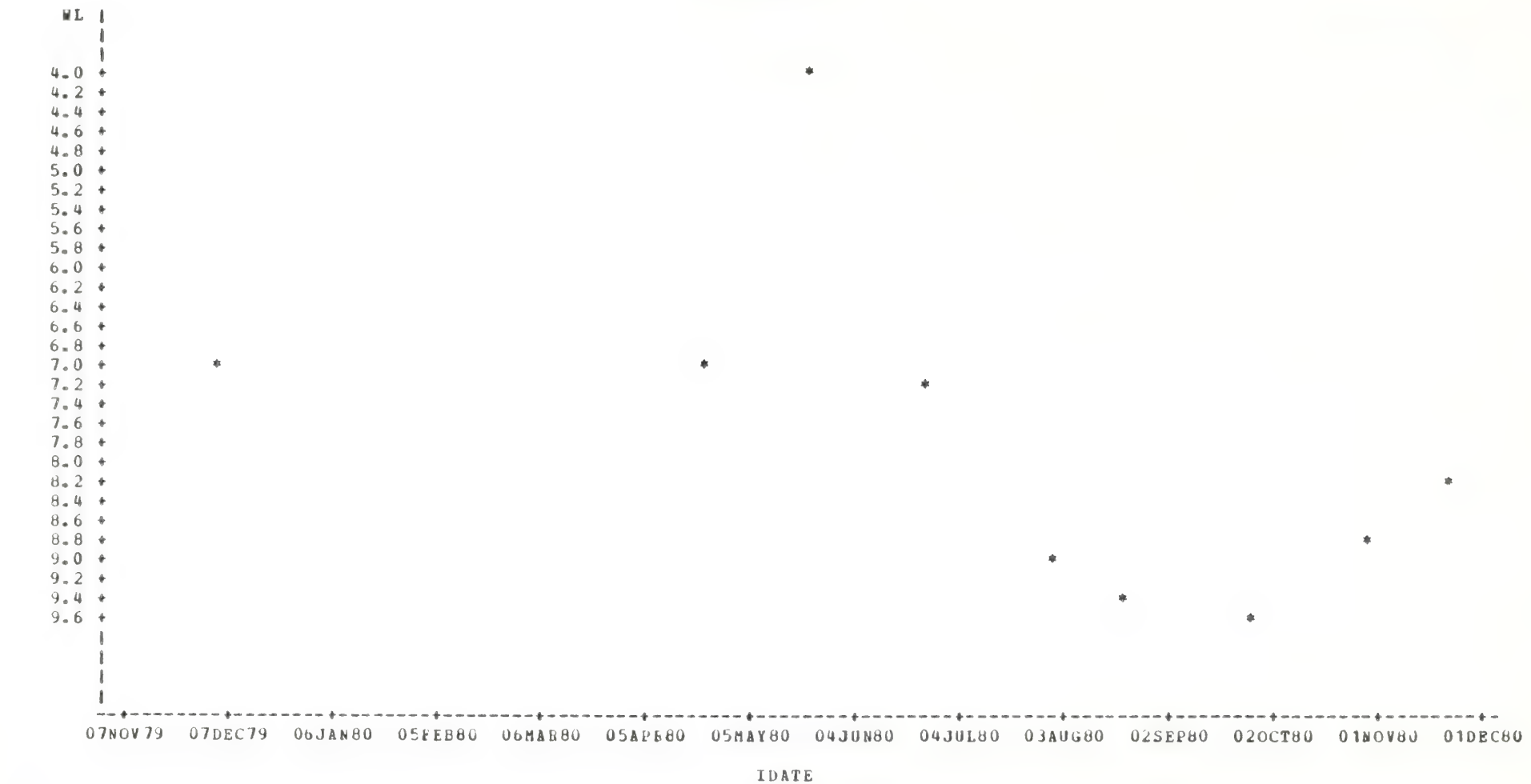
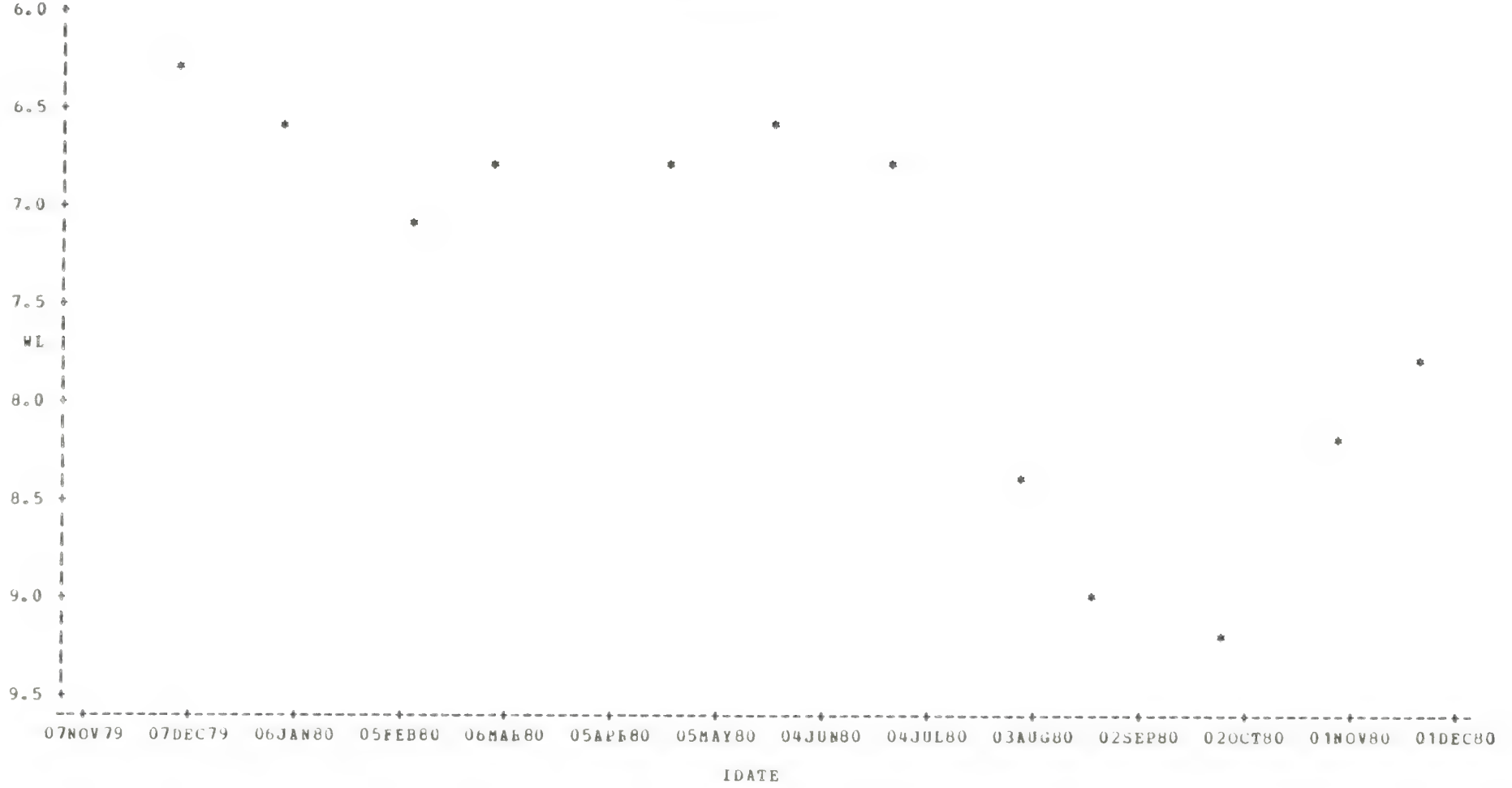
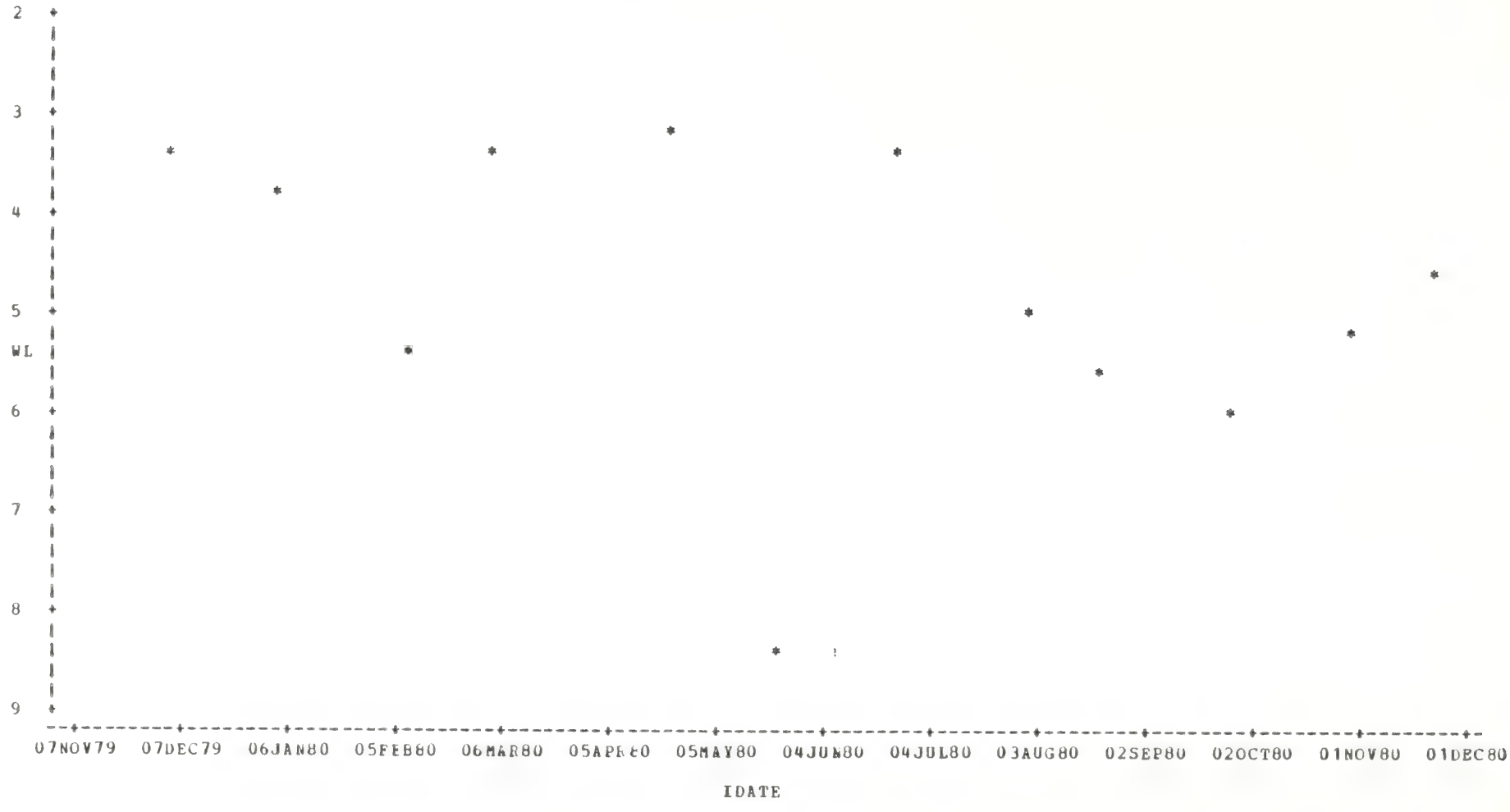


NOTE: 1 OBS HIDDEN



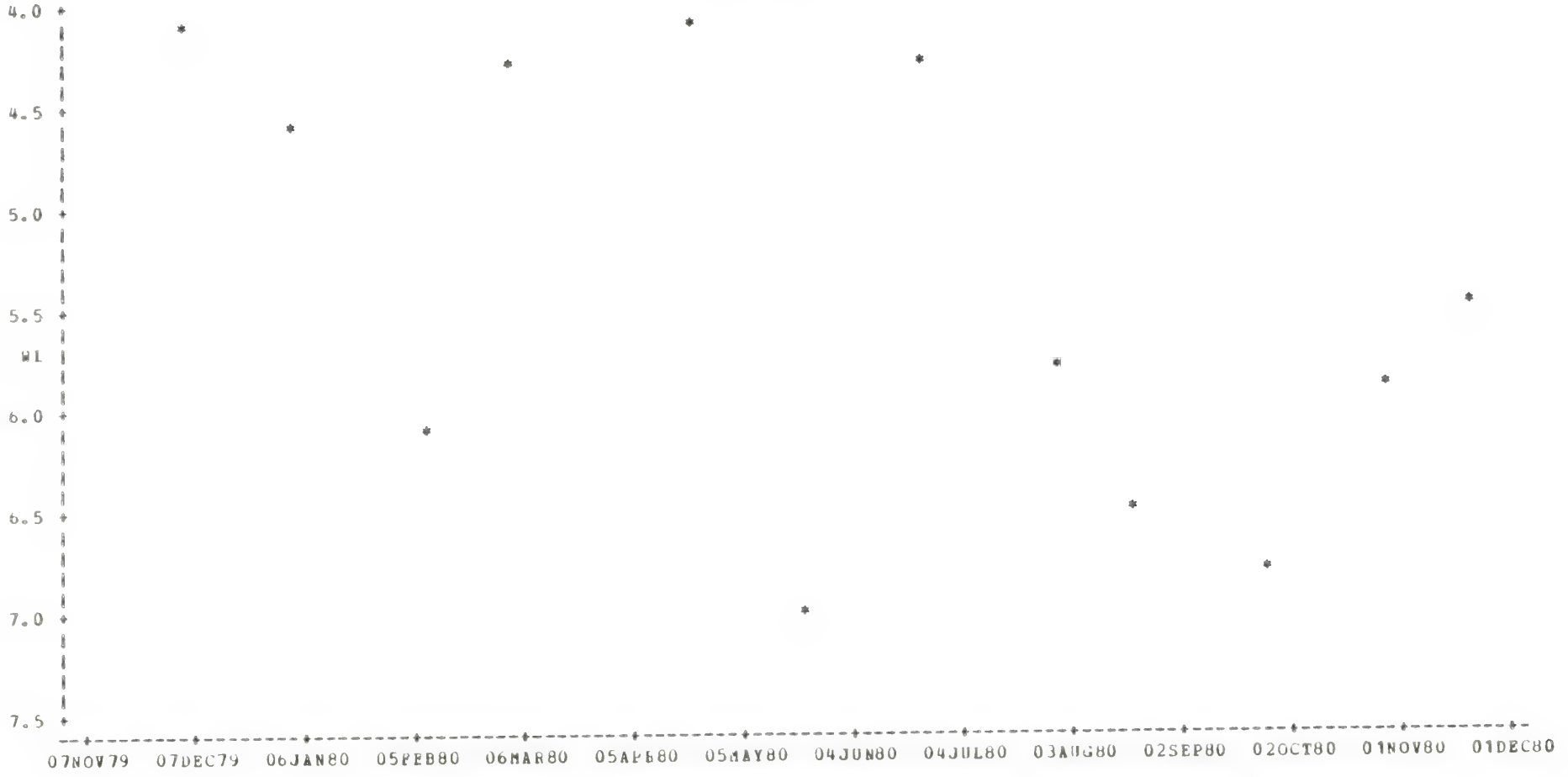
NOTE: 1 OBS HIDDEN

1980 REPORT YEAR
STA=GS-S28AS



NOTE: 1 OBS HIDDEN

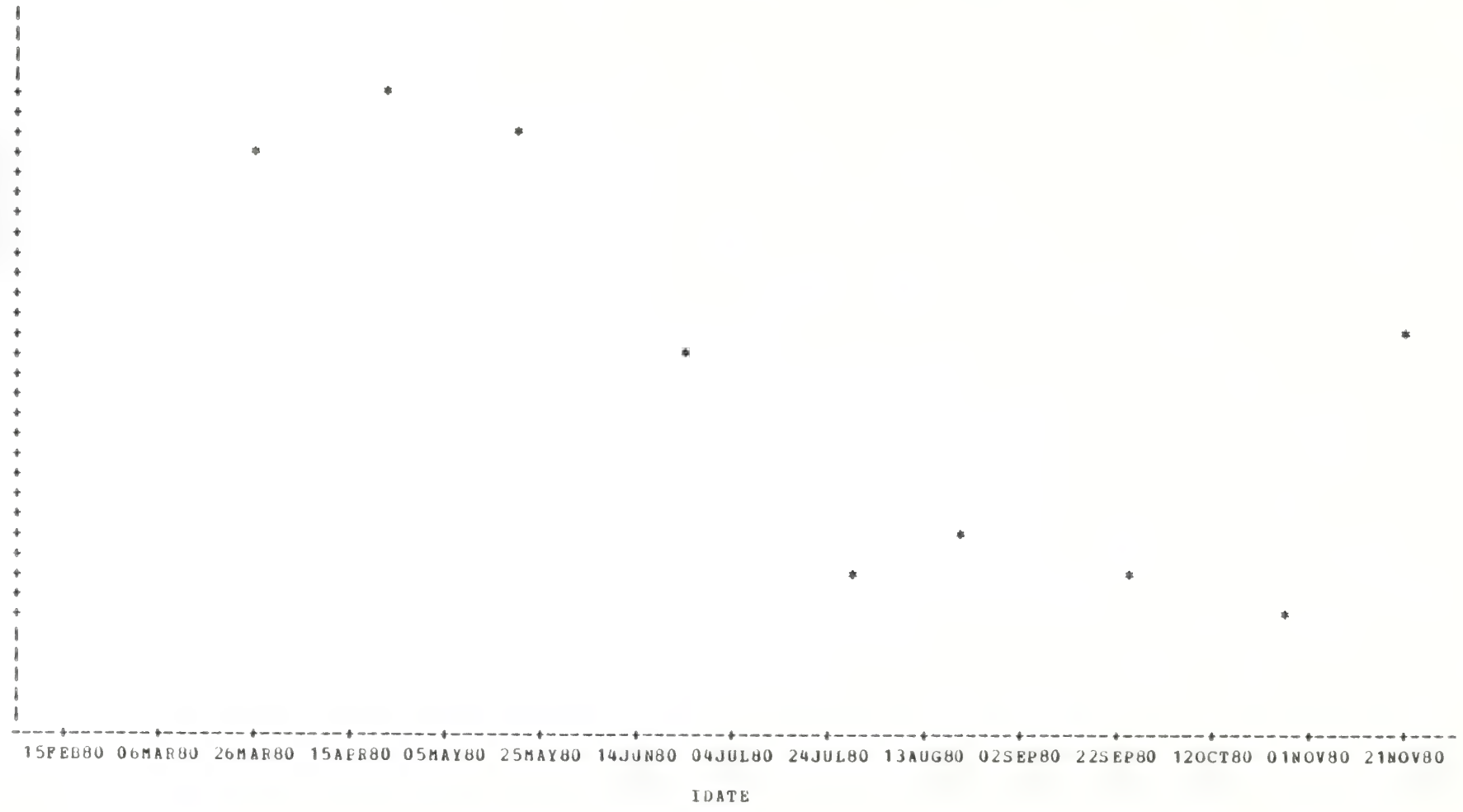
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-S28AD



NOTE: 1 OBS HIDDEN

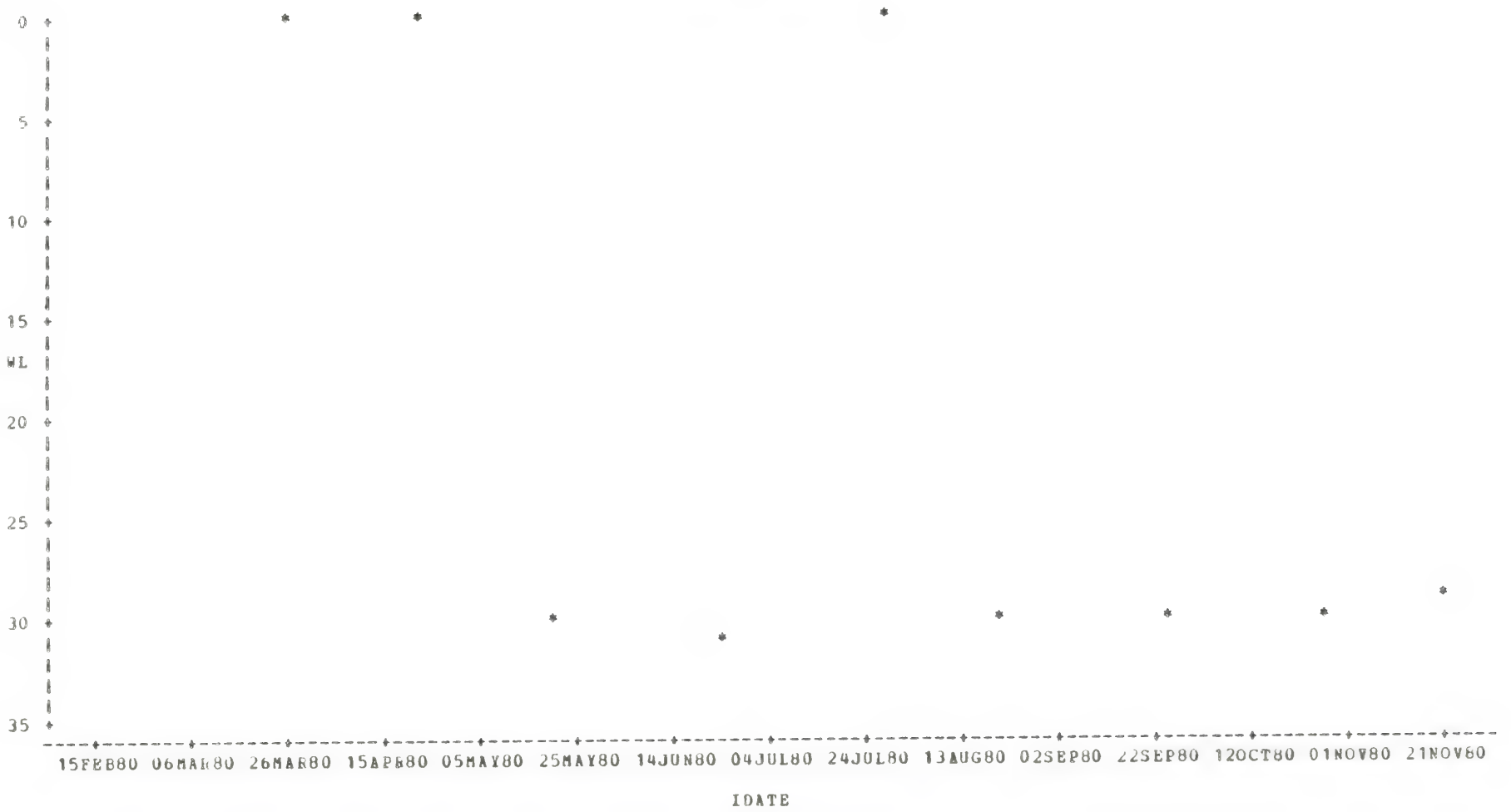
1980 REPORT YEAR

STA=GS-S29D



NOTE: 1 OBS HIDDEN

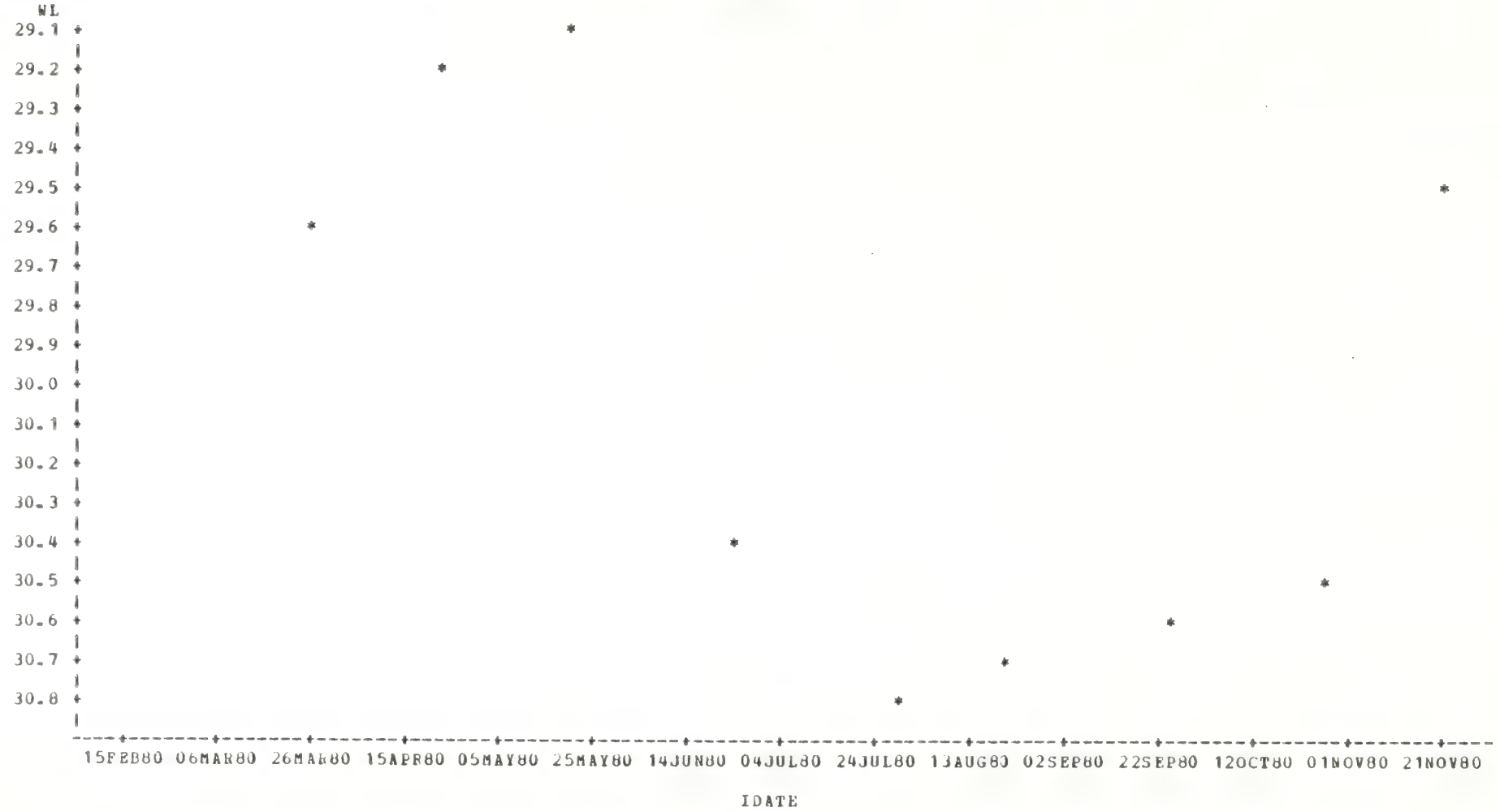
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-S29S



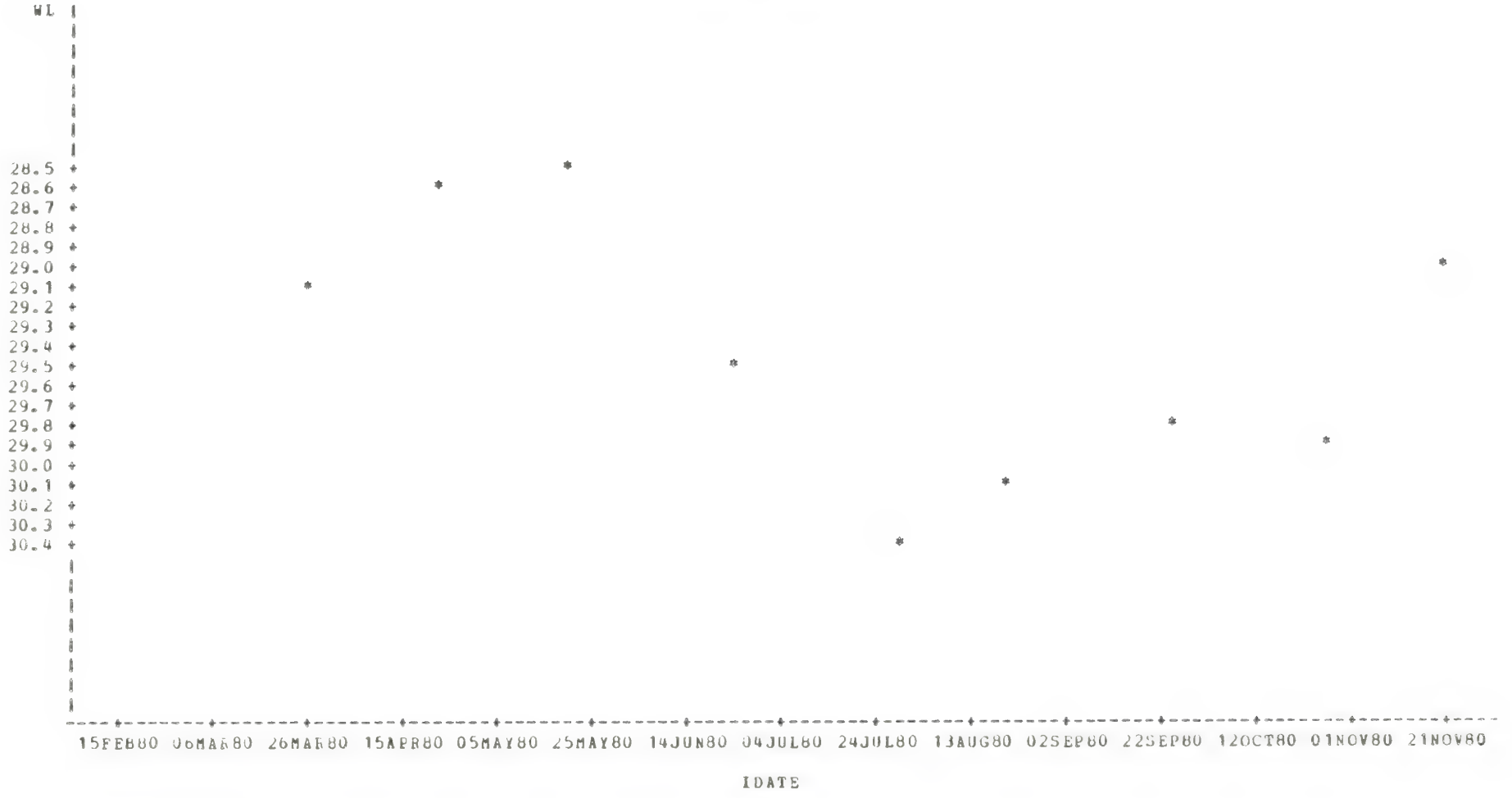
NOTE: 1 OBS HIDDEN

1980 REPORT YEAR

STA=GS-S29AS



NOTE: 1 OBS HIDDEN



NOTE: 1 OBS HIDDEN

APPENDIX 5-2.2

Alluvial Aquifer Data
1980 Report Year Water Quality Data

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SPCOND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOLV	SE	HG	DOC	TDS
GS-S11D	5	22	80	31.5	9.2	2300	7.50	498	593	-0.01	109.0	111	275	6.10	18.00	685	0.340	.	0.230	.	.	.	11.0	.
GS-S11D	7	24	80	.	9.0	2600	7.90	559	666	-1.00	86.9	123	361	5.80	17.30	914	0.110	.	0.580	.	.	.	45.0	1916
GS-S11DS	5	22	80	31.1	10.2	2000	7.60	511	581	-0.01	74.0	98	260	6.84	17.00	560	0.370	.	0.220	.	.	.	7.3	.
GS-S27	12	13	79	28.9	8.0	1550	7.70	462	559	-1.00	105.0	87	135	2.40	12.00	288	0.261	.	0.180	.	.	.	.	.
GS-S27	1	22	80	28.1	6.0	1375	7.60	412	498	-0.01	73.0	104	140	2.50	11.00	369	0.220	.	0.355	.	.	.	.	.
GS-S27	2	26	80	27.0	9.4	1500	7.50	.	.	.	.	.	120	2.25	.	.	.	.	.	.	.	.	.	.
GS-S27	3	19	80	26.7	9.5	1715	7.00	480	581	-1.00	112.0	90	125	3.00	12.50	420	0.300	.	0.260	.	.	.	.	.
GS-S27	5	21	80	25.2	15.0	1600	7.20	484	591	-0.10	123.0	90	129	3.30	19.00	433	0.200	-0.01	0.500	.	-0.01	-0.001	.	1090
GS-S27	5	21	80	25.2	9.2	1600	7.20	470	541	-0.01	87.0	98	140	2.80	15.00	397	0.270	.	0.155	.	.	.	5.0	.
GS-S27	8	9	80	.	14.5	1500	7.85	546	645	-1.00	117.0	91	145	1.54	13.40	420	0.300	.	-0.010	.	.	.	.	1148
GS-S27	8	28	80	.	14.0	1580	7.70	536	622	-1.00	110.0	101	154	1.59	14.00	503	0.280	.	0.230	.	.	.	.	1196
GS-S27	9	30	80	.	12.5	1600	8.00	541	637	-1.00	121.0	98	146	1.23	23.50	445	0.250	.	0.690	.	.	.	.	1220
GS-S27	11	24	80	.	8.5	1490	7.98	511	602	-1.00	110.0	95	160	1.58	9.31	475	0.340	.	0.340	.	.	.	8.0	1204

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOLV	SE	HG	DOC	TDS
GS-S28AD	5	22	80	7.0	7.5	2000	7.6	500	555	-0.01	62.92	145	200	5.70	22.00	708	0.450	.	0.123	. .	.	.	7.4	.
GS-S28AS	5	22	80	8.3	8.0	2700	7.3	552	633	-0.01	80.41	231	290	4.54	32.00	1255	0.410	.	0.123	. .	.	.	9.4	.
GS-S28D	5	20	80	.	10.5	1900	7.9	560	668	-0.01	76.00	131	204	5.56	19.00	470	0.510	.	0.150	. .	.	.	7.7	.
GS-S28S	5	22	80	6.6	7.0	5250	7.5	923	1089	-0.01	210.00	402	625	6.61	48.00	2685	0.370	.	0.230	. .	.	.	22.4	.
GS-S29AD	5	20	80	28.5	9.2	2200	7.4	624	720	-0.01	66.00	162	260	3.31	23.00	735	0.460	.	0.260	. .	.	.	8.6	.
GS-S29AS	5	20	80	29.1	9.2	3000	7.3	985	1152	-0.01	81.00	260	365	11.90	25.00	1100	0.450	.	0.252	. .	.	.	9.8	.
GS-S29AS	5	20	80	29.1	9.2	3000	7.3	985	1152	-0.01	81.00	260	365	11.90	25.00	1100	0.450	.	0.252	. .	.	.	9.8	.
GS-S29D	5	20	80	29.4	10.0	4200	7.5	857	1012	-0.01	72.00	271	650	3.30	38.00	1710	0.750	.	0.540	. .	.	.	11.0	.
GS-S7	1	22	80	25.8	7.5	1200	7.6	354	428	-1.00	79.00	63	85	1.50	9.20	.	0.245	.	-0.010	. .	.	.	2.2	.
GS-S7	5	15	80	22.7	10.0	1200	7.4	379	463	-0.10	107.00	59	91	2.00	23.00	290	0.300	-0.01	0.200	. .	-0.01	-0.001	20.0	874
GS-S7	8	6	80	.	18.5	1260	7.5	440	505	-1.00	116.00	70	100	1.49	27.50	354	0.460	.	0.290	. .	.	.	-3.0	848
GS-S7	11	24	80	.	10.0	1180	7.8	410	452	-1.00	96.00	63	100	1.15	5.49	332	0.360	.	0.270	. .	.	.	5.0	904
GS-S8	1	31	80	.	5.5	900	7.0	327	396	-1.00	33.00	71	55	1.00	10.00	154	0.295	.	0.200	. .	.	.	6.0	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
GS-S8	5	15	80	.	9	1000	7.10	359	438	-0.1	97	49.0	85	2.00	11.00	260	0.30	-0.01	0.30	.	.	-0.01	-0.001	5	744
GS-S8	8	9	80	.	16	1000	7.81	405	479	-1.0	81	52.1	72	1.05	9.69	128	0.40	.	-0.01	.	.	.	.	.	612
GS-S8	11	24	80	.	8	960	7.90	368	406	-1.0	83	54.0	70	1.22	5.91	252	0.39	.	0.33	.	.	.	.	8	720

N=29

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	CRTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-S11D	5	22	80	.	.	6.150	.	.	.	.	24.50	.	.	.	.	.	.	.	.	.	.	.
GS-S11D	7	24	80	.	18.2	.	.	.	.	.	25.00	.	723	.	.	.	.	.	.	.	.	.
GS-S11DS	5	22	80	.	.	4.940	.	.	.	.	24.50	.	.	.	.	.	.	.	.	.	.	.
GS-S27	12	13	79	.	.	0.011	.	.	.	.	22.50	.	.	.	.	.	.	.	.	.	.	.
GS-S27	1	22	80	.	.	-0.010	.	.	.	.	22.50	.	.	.	.	.	.	.	.	.	.	.
GS-S27	2	26	80	.	.	0.145	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	3	19	80	.	.	0.035	.	.	.	.	19.00	.	668	.	.	.	.	.	.	.	.	.
GS-S27	5	21	80	2.2	.	-0.100	.	.	-0.10	.	16.00	-0.2	.	-0.01	.	10	.	.	.	.	2.9	.
GS-S27	5	21	80	.	.	0.126	.	.	.	.	18.75	.	.	.	.	.	.	.	.	.	.	.
GS-S27	8	9	80	.	2.8	.	.	.	.	.	26.00	.	667	.	.	.	.	.	.	.	.	.
GS-S27	8	28	80	.	-0.1	.	.	.	.	.	15.00	.	690	.	.	.	.	.	.	.	.	.
GS-S27	9	30	80	.	0.3	.	.	.	.	.	22.00	.	706	.	.	.	.	.	.	.	.	.
GS-S27	11	24	80	.	0.2	.	-0.1	.	0.08	.	17.00	.	666	.	.	.	.	.	.	.	.	.
GS-S28AD	5	22	80	.	.	0.221	.	.	.	.	20.00	.	.	.	.	.	.	.	.	.	.	.
GS-S28AS	5	22	80	.	.	0.417	.	.	.	.	22.25	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-S28D	5	20	80	.	.	0.083	.	.	.	.	24.00	.	.	.	.	.	.	.	.	.	.	.
GS-S28S	5	22	80	.	.	0.082	.	.	.	.	24.75	.	.	.	.	.	.	.	.	.	.	.
GS-S29AD	5	20	80	.	.	0.343	.	.	.	.	20.00	.	.	.	.	.	.	.	.	.	.	.
GS-S29AS	5	20	80	.	.	0.417	.	.	.	.	19.75	.	.	.	.	.	.	.	.	.	.	.
GS-S29AS	5	20	80	.	.	0.417	.	.	.	.	19.75	.	.	.	.	.	.	.	.	.	.	.
GS-S29D	5	20	80	.	.	0.047	.	.	.	.	21.75	.	.	.	.	.	.	.	.	.	.	.
GS-S7	1	22	80	.	.	0.875	.	.	.	.	22.75	.	.	.	.	.	.	.	.	.	.	.
GS-S7	5	15	80	1.4	.	1.000	.	.	-0.10	.	15.00	-0.2	.	-0.01	-0.001	20	.	.	.	.	14.0	26
GS-S7	8	6	80	.	6.0	.	.	.	.	.	23.00	.	578	.	.	.	.	.	.	.	.	.
GS-S7	11	24	80	.	0.6	.	0.1	.	0.03	.	18.00	.	499	.	.	.	.	.	.	.	.	.
GS-S8	1	31	80	.	.	0.840	.	.	.	.	24.00	.	.	.	.	.	.	.	.	.	.	.
GS-S8	5	15	80	1.4	.	1.100	.	.	-0.10	.	15.00	-0.2	.	-0.01	-0.001	15	.	.	.	.	2.2	.
GS-S8	8	9	80	.	5.1	.	.	.	.	.	27.00	.	417	.	.	.	.	.	.	.	.	.
GS-S8	11	24	80	.	0.8	.	0.1	.	0.07	.	17.00	.	430	.	.	.	.	.	.	.	.	.

N=29

ALLUVIAL TRACE ELEMENT DATA

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SB	V
GS-S11D	5	22	80	.	.	.	.	.	0.160	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S11D	7	24	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S11DS	5	22	80	.	.	.	.	.	0.090	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	12	13	79	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	1	22	80	.	.	.	.	.	0.060	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	2	26	80	.	.	.	.	.	0.030	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	3	19	80	.	.	.	.	.	0.025	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	5	21	80	0.2	-0.01	-0.01	-0.01	.	-0.050	0.01	-0.001	-0.01	0.16	.	.	.	.	.	-0.1	.	.	0.89	.
GS-S27	5	21	80	.	.	.	.	.	0.060	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	8	9	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	8	28	80	.	.	.	.	.	0.100	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S27	11	24	80	.	.	.	.	.	0.120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S28AD	5	22	80	.	.	.	.	.	0.300	.	.	.	.	.	.	.	.	.	.	.	.	.	.

ALLUVIAL TRACE ELEMENT DATA

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SB	V
GS-S28AS	5	22	80	.	.	.	.	.	0.29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S28D	5	20	80	.	.	.	.	.	0.34	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S28S	5	22	80	.	.	.	.	.	0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S29AD	5	20	80	.	.	.	.	.	0.16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S29AS	5	20	80	.	.	.	.	.	0.29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S29AS	5	20	80	.	.	.	.	.	0.29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S29D	5	20	80	.	.	.	.	.	0.07	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S7	1	22	80	.	.	.	.	.	0.02	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S7	5	15	80	0.2	-0.01	-0.01	-0.01	.	-0.05	0.02	-0.001	-0.01	0.11	.	.	.	.	.	-0.1	.	.	0.77	.
GS-S7	8	6	80	.	.	.	.	.	-0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S7	11	24	80	.	.	.	.	.	-0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S8	1	31	80	.	.	.	.	.	0.04	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-S8	5	15	80	0.2	-0.01	-0.01	-0.01	.	-0.05	0.02	-0.001	-0.01	0.11	.	.	.	.	.	-0.1	.	.	0.77	.
GS-S8	8	9	80	.	.	.	.	.	-0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO HYDROLOGY MONITORING PROGRAM
ALLUVIAL TRACE ELEMENT DATA

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
GS-S8	11	24	80	.	.	.	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
N=29																							

APPENDIX 5-2.3

Upper Aquifer Data
1980 Report Year Physical Data

RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
GROUND WATER PHYSICAL DATA

STA	MO	DAY	YR	WL	TEMP	COND	PH
AM-2AU	1	30	80	375.00	10.3	1450	7.8
AM-2AU	2	6	80	375.00	10.3	.	.
AM-3U	1	30	80	32.70	11.8	1100	8.2
AM-3U	5	13	80	31.40	10.5	1100	8.3
CE-701U	12	26	79	152.60	11.6	1180	
CE-701U	1	30	80	154.50	11.9	1205	7.3
CE-701U	2	25	80	155.30	12.2	1300	7.6
CE-701U	3	17	80	156.60	11.0	1200	7.9
CE-701U	4	24	80	158.40	13.7	1350	8.5
CE-701U	5	7	80	158.70	13.0	1200	7.4
CE-702U	12	27	79	50.[illegible]	12.8	1420	8.2
CE-702U	1	30	80	49.40	12.3	1350	7.9
CE-702U	2	25	80	45.50	13.[illegible]	1300	7.9
CE-702U	3	17	80	43.00	12.2	1250	8.3
CE-702U	4	23	80	44.40	14.8	1350	8.3
CE-702U	5	5	80	42.50	14.5	1400	7.9
CE-705AU	12	26	79	244.2[illegible]	11.[illegible]	110[illegible]	
CE-705AU	1	29	80	244.50	11.4	1150	7.5
CE-705AU	2	25	80	246.60	11[illegible]	120[illegible]	7.5
CE-705AU	3	19	80	247.20	11.0	910	7.8
CE-705AU	4	23	80	25[illegible].05	12.[illegible]	1[illegible]5	8.5
CE-705AU	5	13	80	257.00	11.0	1250	7.[illegible]
CE-707U	12	26	79	247.00	10.[illegible]	1250	
CE-707U	1	30	80	247.80	10.9	1350	7.5
CE-707U	3	17	80	236.20	9.[illegible]	1650	8
CE-707U	4	24	80	228.00	11.0	1500	8.2
CE-707U	5	14	80	232.10	10.0	1425	7.3
CE-709U	12	27	79	242.50	9.2	17[illegible]	7.4
CE-709U	1	30	80	244.60	9.4	1650	7.0
CE-709U	2	26	80	245.50	11.2	1700	7.3
CE-709U	3	17	80	244.80	10.8	1500	7.6
CE-709U	4	23	80	245.8[illegible]	11.8	1675	8
CE-709U	5	14	80	247.20	10.0	1700	7.4
GS-M1U	12	19	79	655.80	13.5	1250	8.3
GS-M1U	1	30	80	655.30	15.6	1275	7.5
GS-M1U	2	26	80	654.90	13.8	1375	7.2
GS-M1U	3	17	80	651.30	11.8	140[illegible]	8.5
GS-M1U	4	23	80	651.30	14.5	1375	8.1
GS-M1U	5	7	80	650.80	14	130[illegible]	7.9

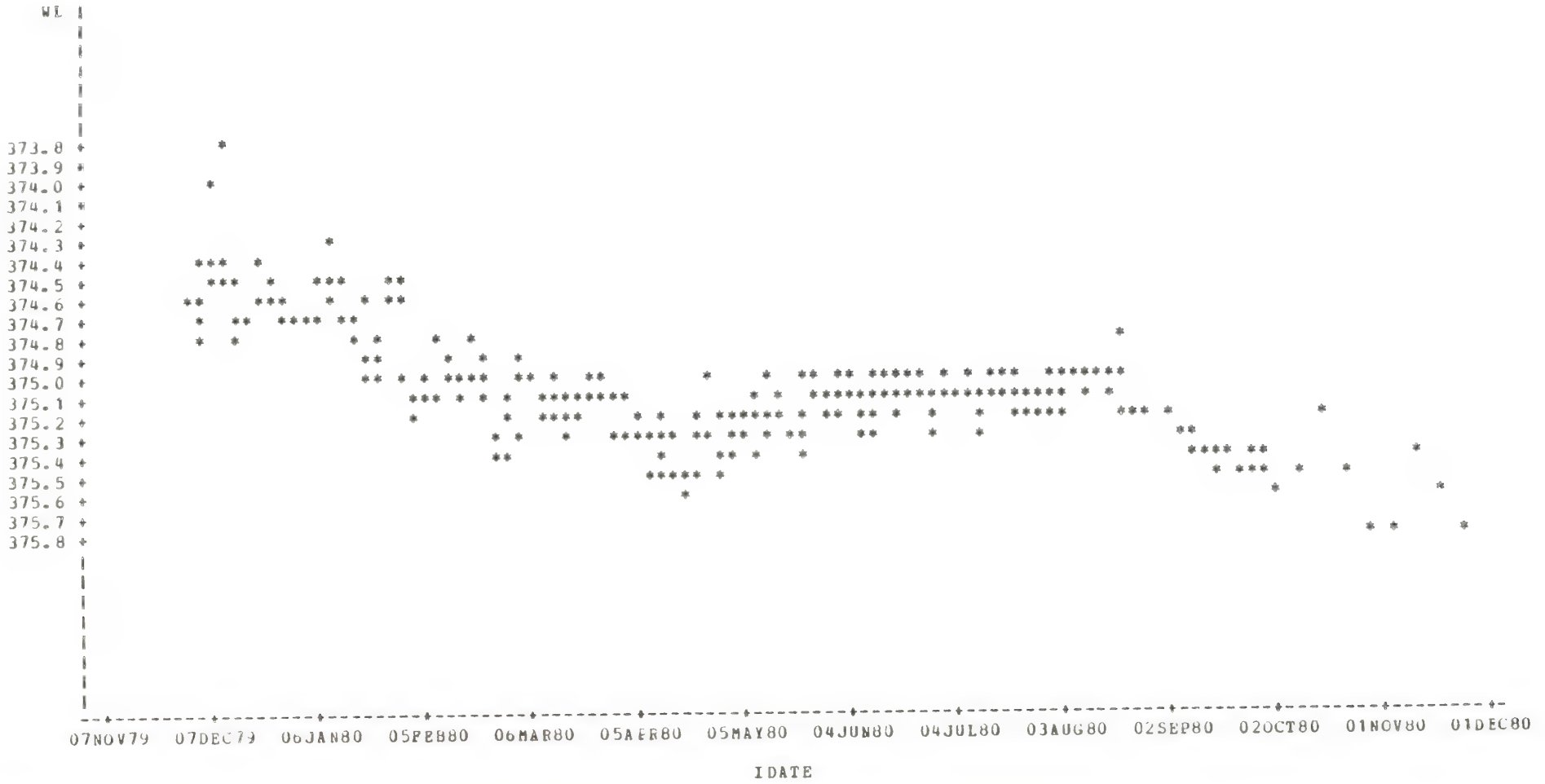
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
GROUND WATER PHYSICAL DATA

STA	MO	DAY	YR	WL	TEMP	COND	PH
GS-M2U	1	30	80	217.[illegible]	11.2	1550	9.2
GS-M2U	5	7	80	217.[illegible]	12.5	1500	9.4
GS-M3U	1	30	80	11.80	7.9	1210	9.7
GS-M3U	3	17	80	11.[illegible]	12.[illegible]	1450	9.6
GS-M3U	5	13	80	11.70	7.0	1300	9.7
GS-10U	1	30	80	[illegible]	12.9	1950	7.4
GS-10U	2	25	80	429.30	12.2	2050	7.2
GS-10U	3	19	80	428.30	13.6	1950	7.5
GS-10U	4	23	80	.	13.8	[illegible]	8.5
GS-10U	5	14	80	432.50	12.5	2100	7.2
GS-15U	1	3	80	[illegible]	12.4	2350	7.6
GS-15U	2	25	80	307.90	12.0	1950	7.5
GS-15U	3	17	80	307.50	11.5	2100	7.6
GS-15U	4	23	80	305.50	13.[illegible]	2300	8.2
GS-15U	5	13	80	305.10	13.0	2300	7.3
GS-9U	12	27	79	334.1	1[illegible]	1220	7.4
GS-9U	1	30	80	342.00	11.2	1150	7.0
GS-9U	2	26	80	346.60	11.8	[illegible]	7.5
GS-9U	3	19	80	349.70	11.0	1100	7.4
GS-9U	4	23	80	351.8	14.[illegible]	125[illegible]	8.1
GS-9U	5	14	80	350.[illegible]	11.[illegible]	1250	7.4
GS-M10U	4	22	80	57.95	13.8	1350	7.4
GS-M10U	5	8	80		13.5	1375	7.5
GS-M11U	4	22	80	25.15	7.7	1300	7.6
GS-M11U	5	8	80		13.2	1350	7.5
GS-M12U	5	8	80	.	13.8	1575	7.1
GS-M6U	5	7	80	.	13.0	1200	7.4
GS-D5U	7	1	80		16.8	1350	7.9
GS-D5U	7	8	80	.	17.0	1325	7.9
GS-D5U	7	15	80		[illegible]	1300	7.7
GS-D5U	7	28	80	.	17.0	1350	7.4
GS-D6U	7	1	80		17.[illegible]	1375	8.[illegible]
GS-D6U	7	8	80	.	17.0	1375	7.7
GS-D6U	7	15	80		17.8	1375	7.7
GS-D6U	7	25	80	.	18.0	1300	7.5
GS-D8U	7	1	80		1[illegible].8	1350	7.9
GS-D8U	7	8	80	.	17.0	1350	7.9
GS-D8U	7	15	80		17.[illegible]	1375	7.8
GS-D8U	7	21	80	.	16.0	1400	7.8

RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
GROUND WATER PHYSICAL DATA

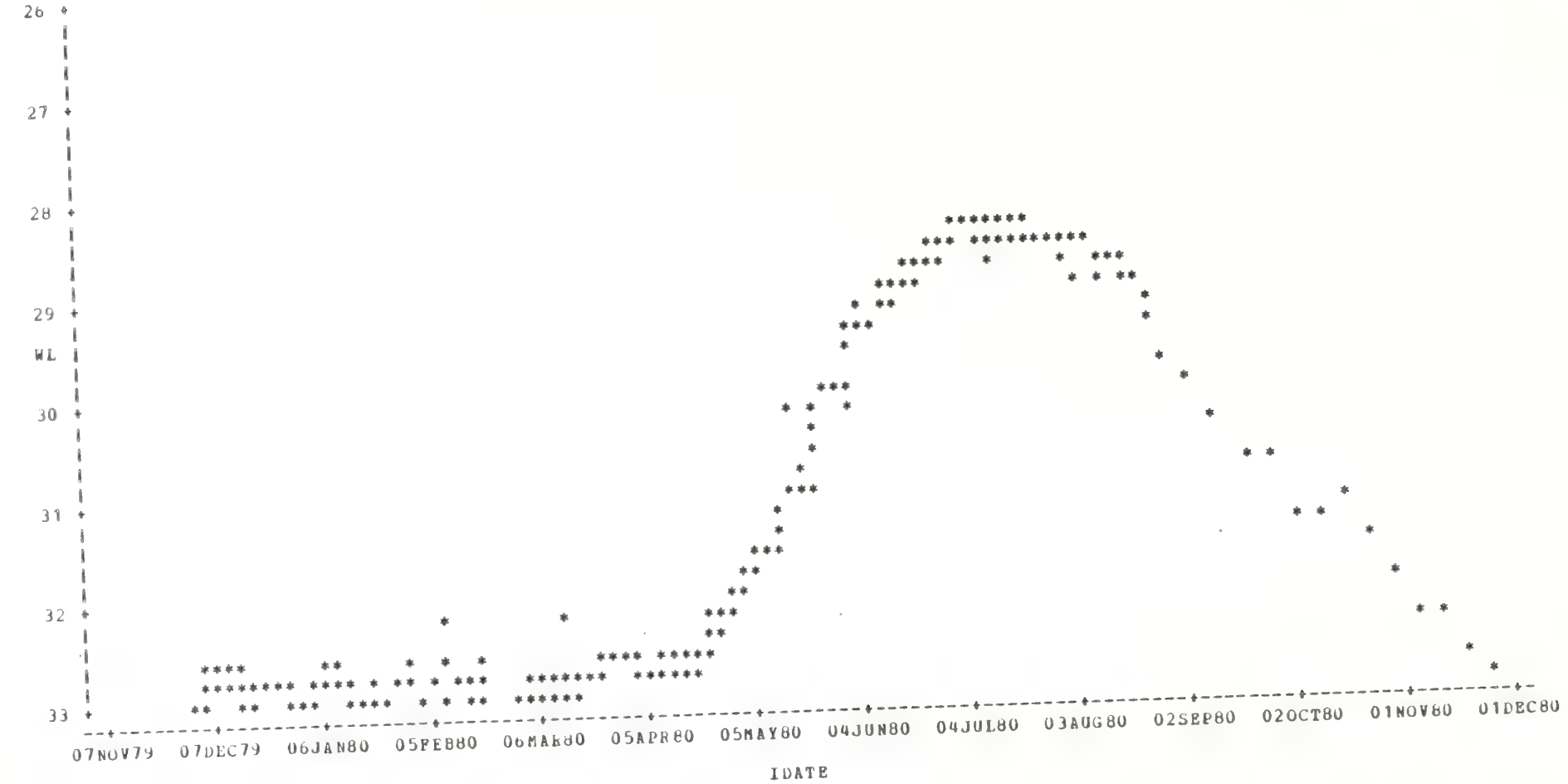
STA	MO	DAY	YR	WL	TEMP	CD	PH
GS-D87	7	25	80	.	2	.	7.2

RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=AM-2AU

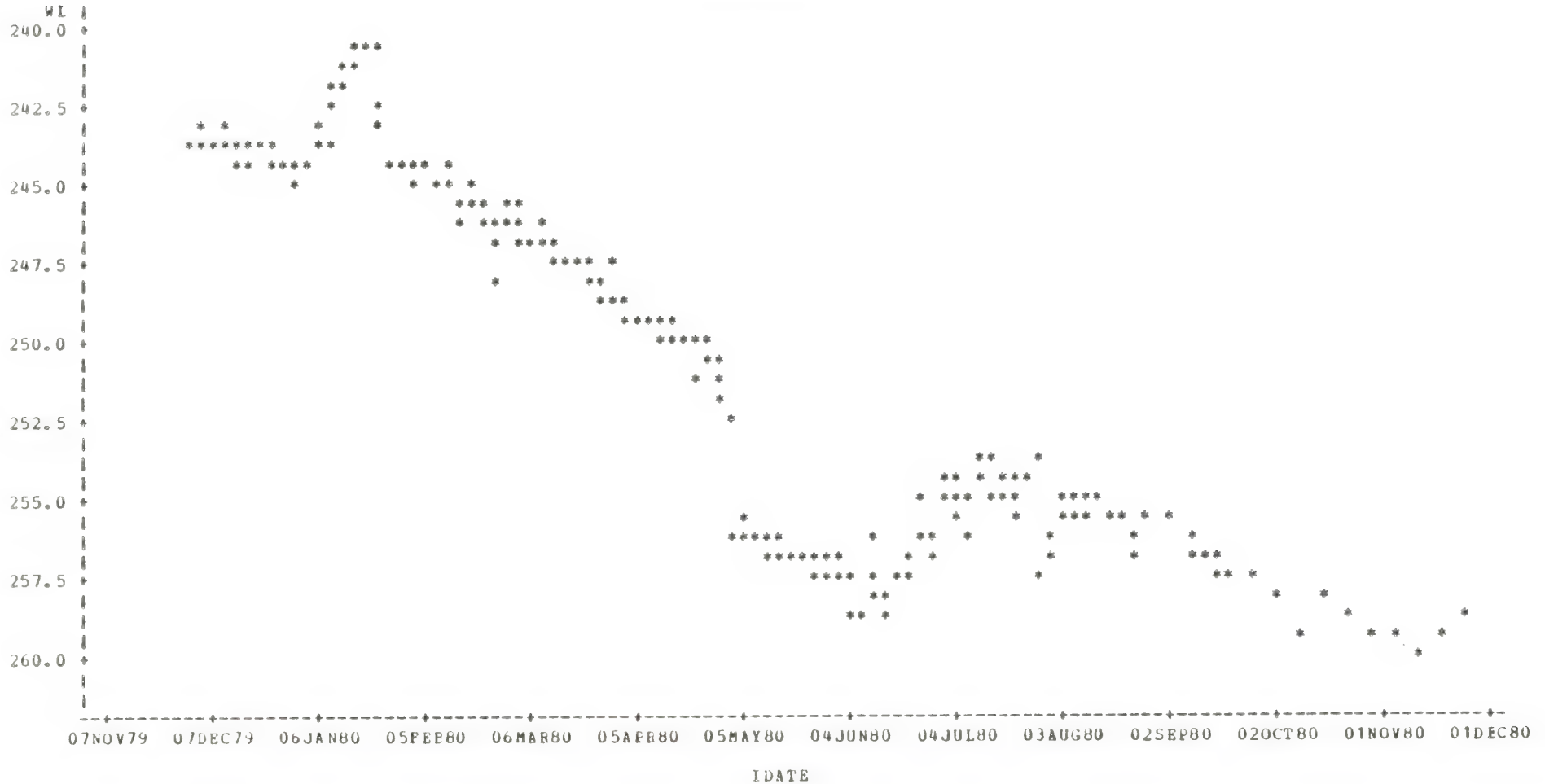


NOTE: 84 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=AM-30



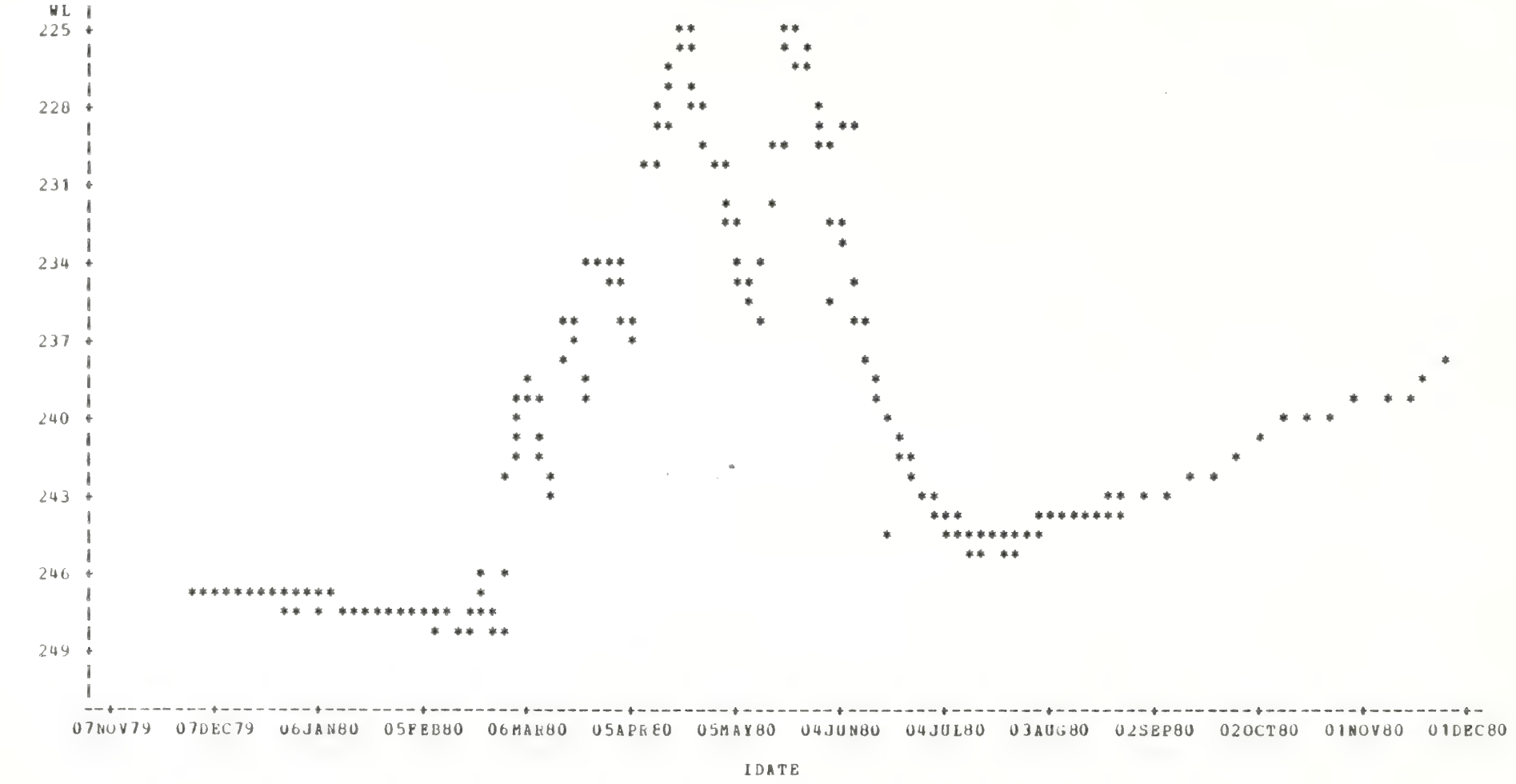
NOTE: 111 OBS HIDDEN



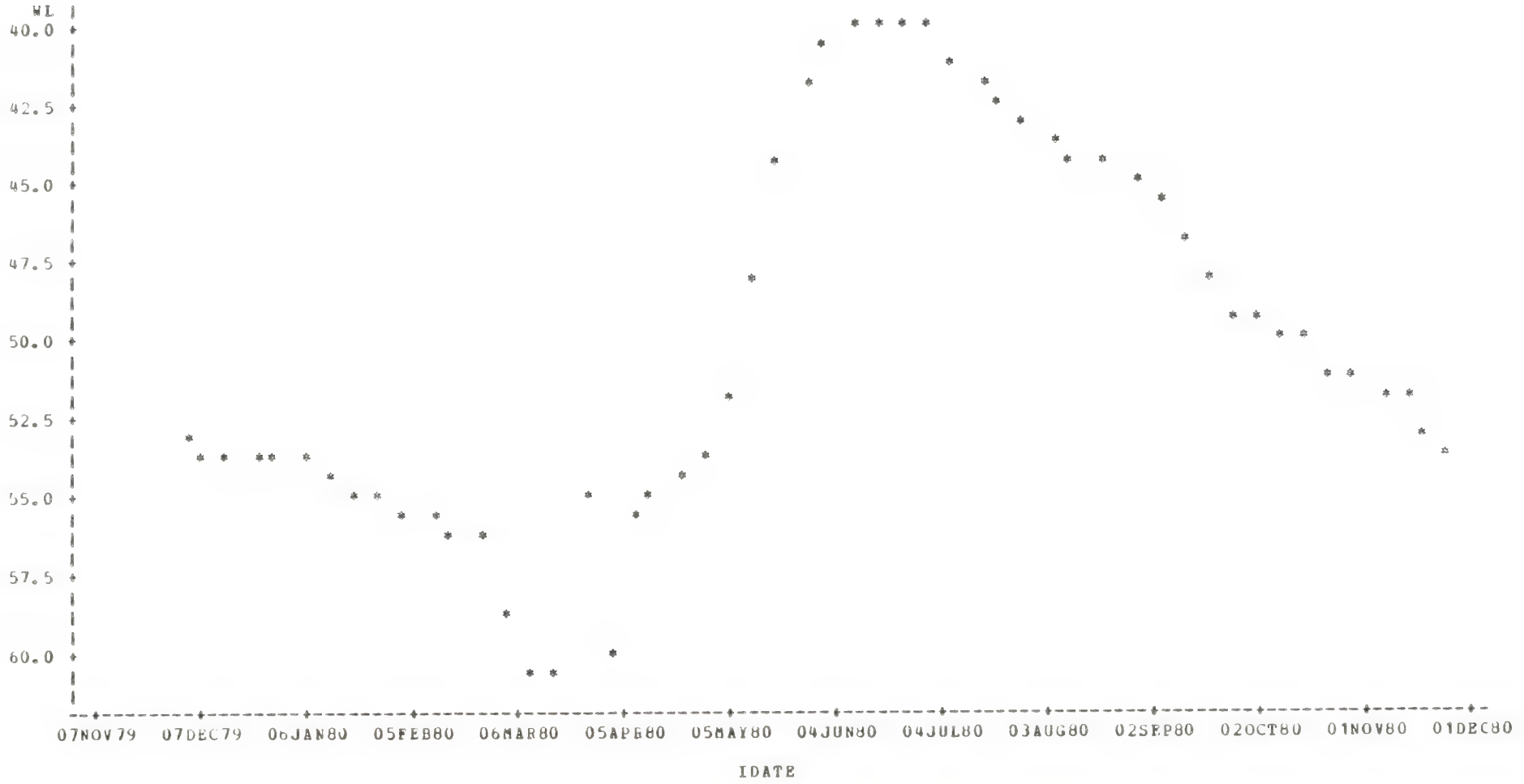
NOTE: 115 OBS HIDDEN

1980 REPORT YEAR

STA=CE-7070



NOTE: 112 OBS HIDDEN


WL
40.0
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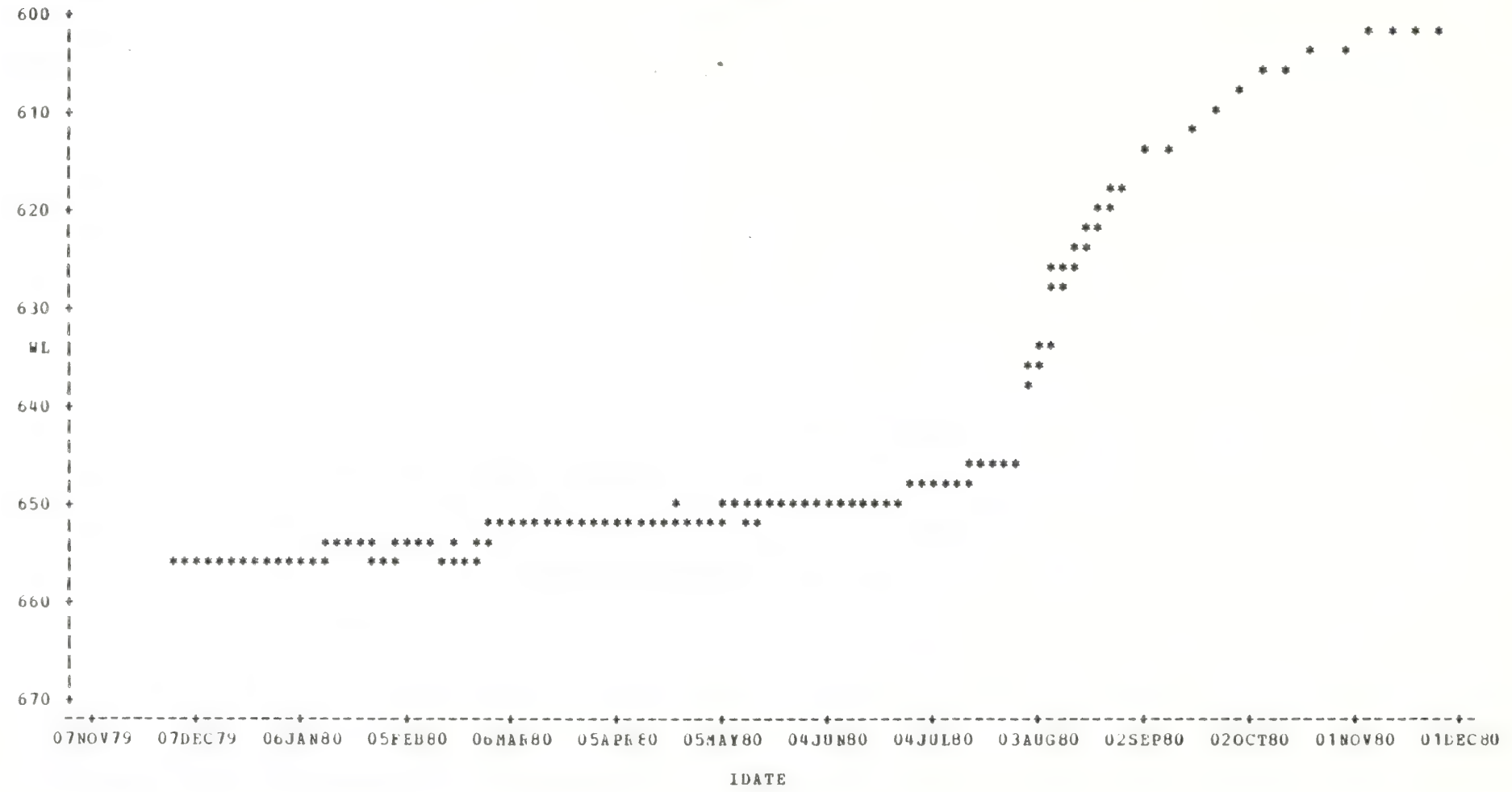
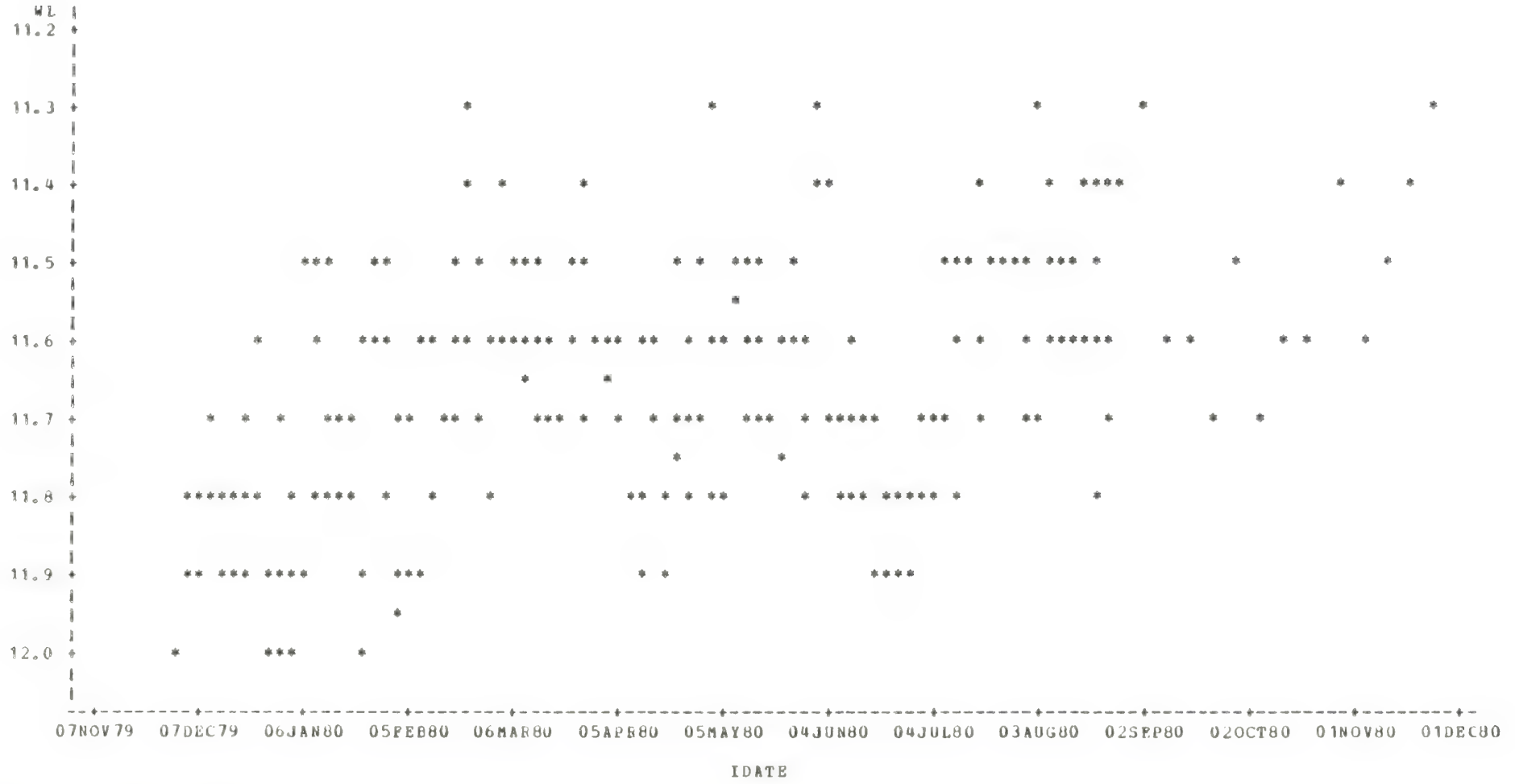
45.0
47.5
50.0
52.5
55.0
57.5
60.0
07NOV79
07DEC79
06JAN80
05FEB80
06MAR80
05APR80
05MAY80
04JUN80
04JUL80
03AUG80
02SEP80
02OCT80
01NOV80
01DEC80
IDATE



NOTE: 162 OBS HIDDEN

1980 REPORT YEAR

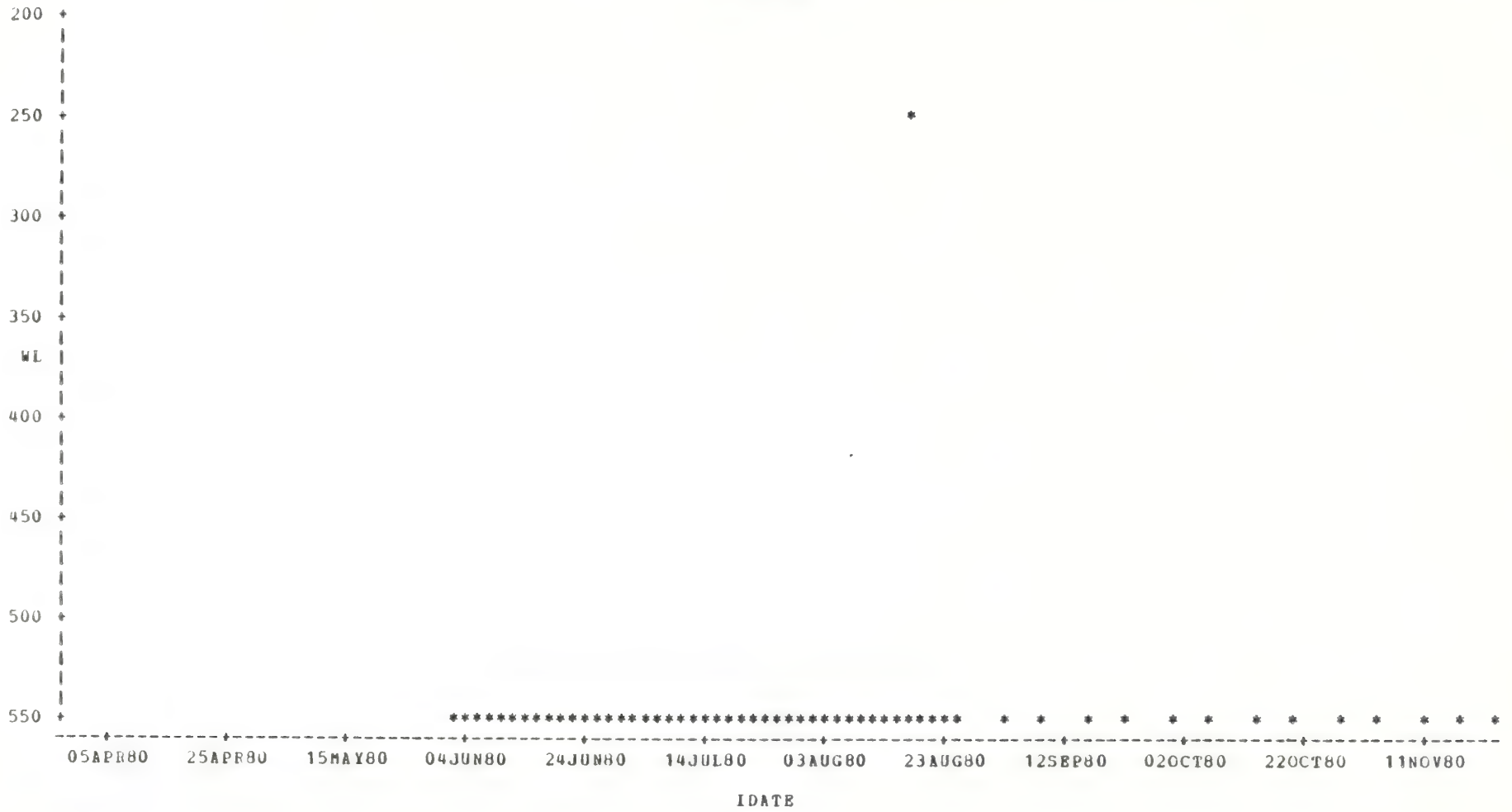
STA=GS-M30



NOTE: 83 OBS HIDDEN

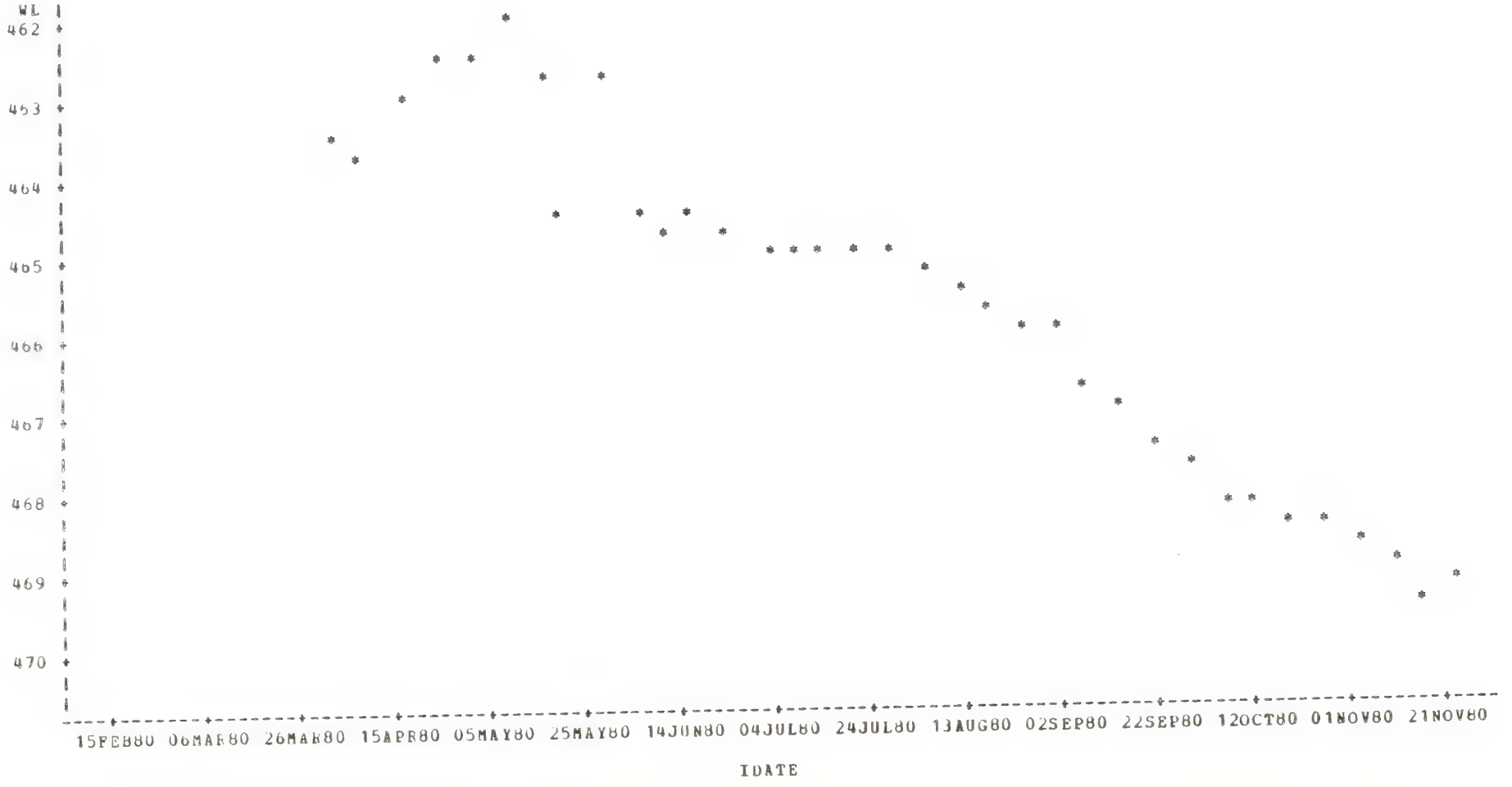
1980 REPORT YEAR

STA=GS-M4U



NOTE: 42 OBS HIDDEN

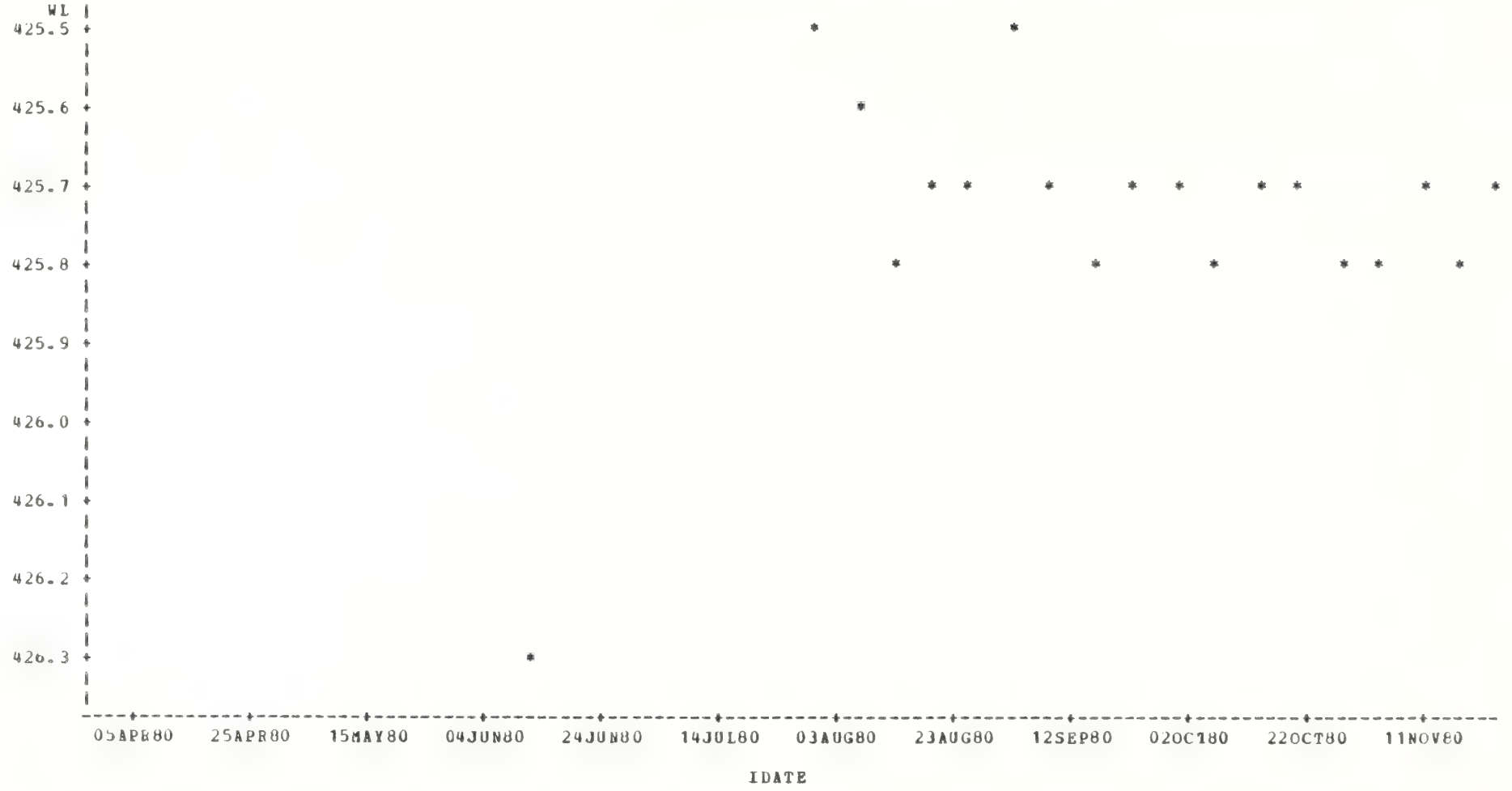
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-M60



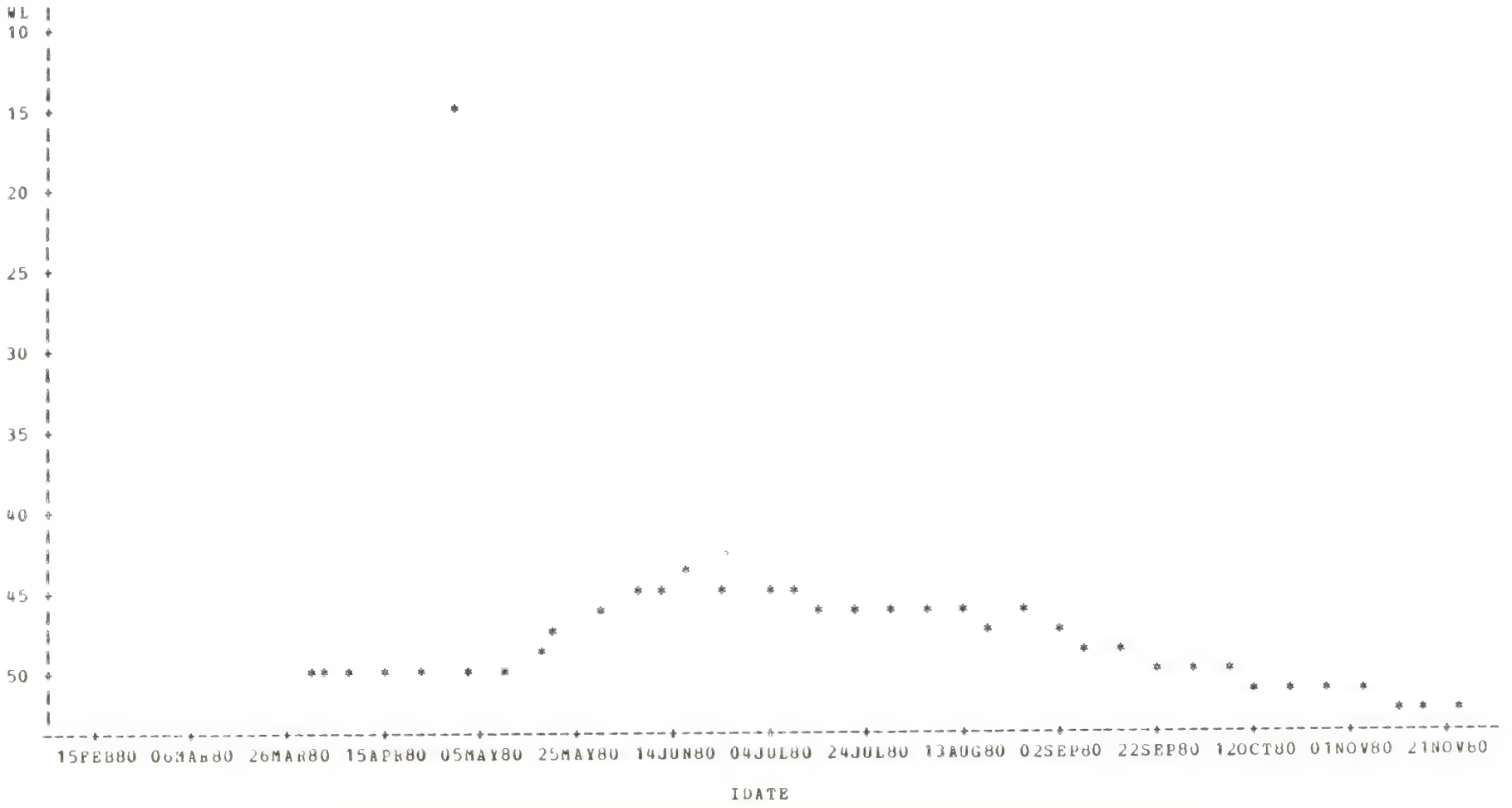
NOTE: 1 OBS HAD MISSING VALUES

1980 REPORT YEAR

STA=GS-M7U

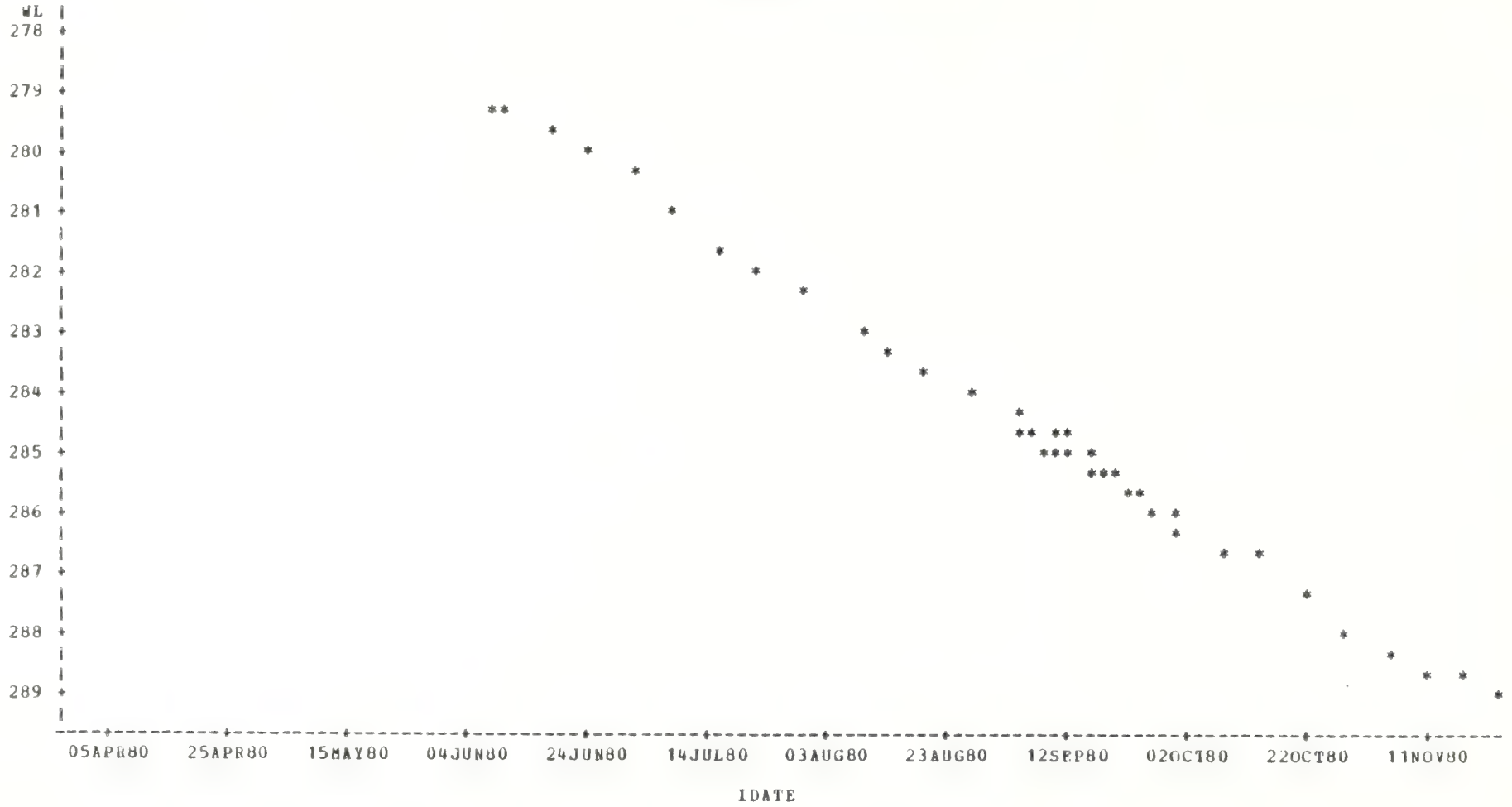


RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-M8U



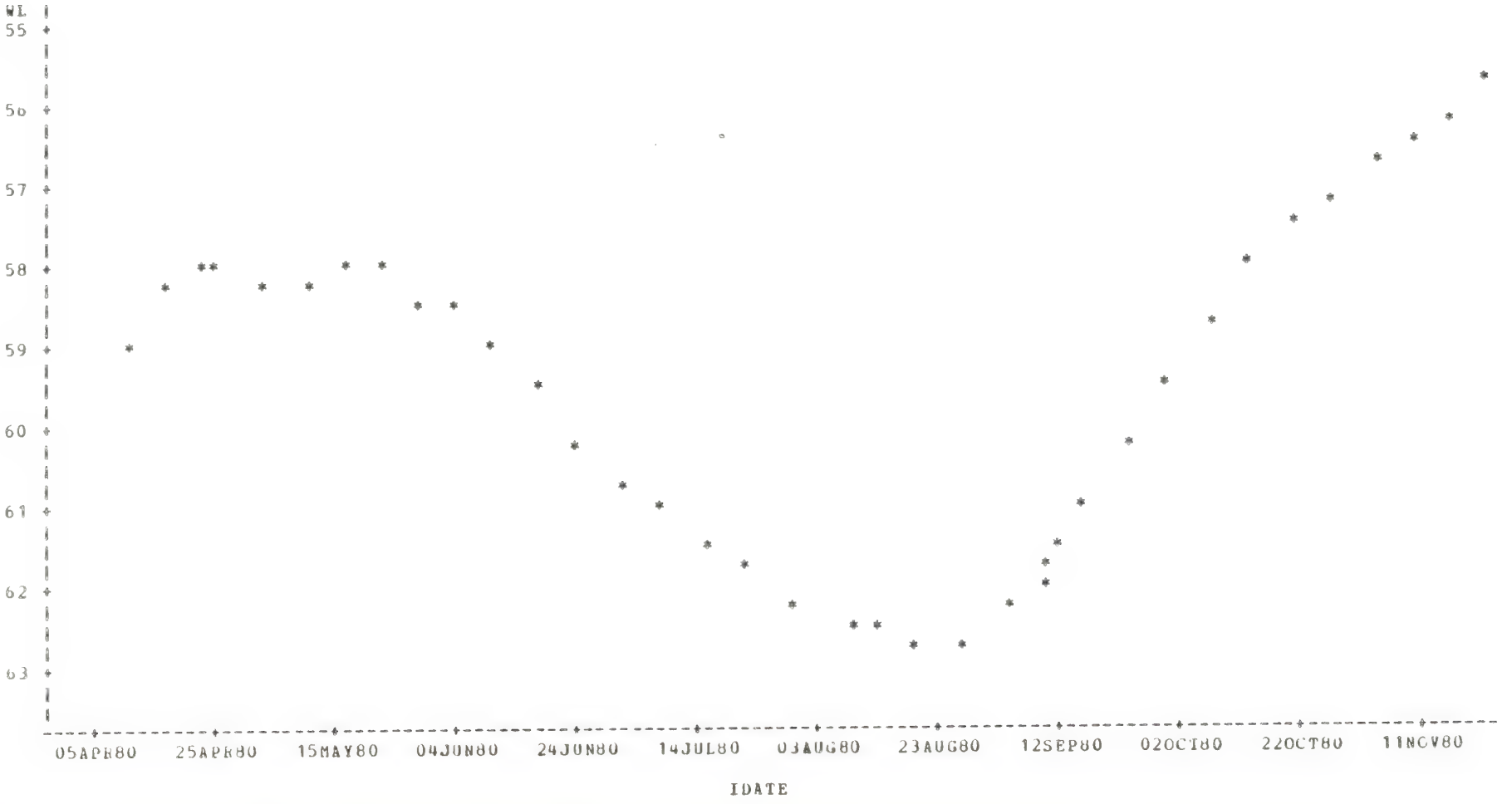
1980 REPORT YEAR

STA=GS-M9U



NOTE: 2 OBS HIDDEN

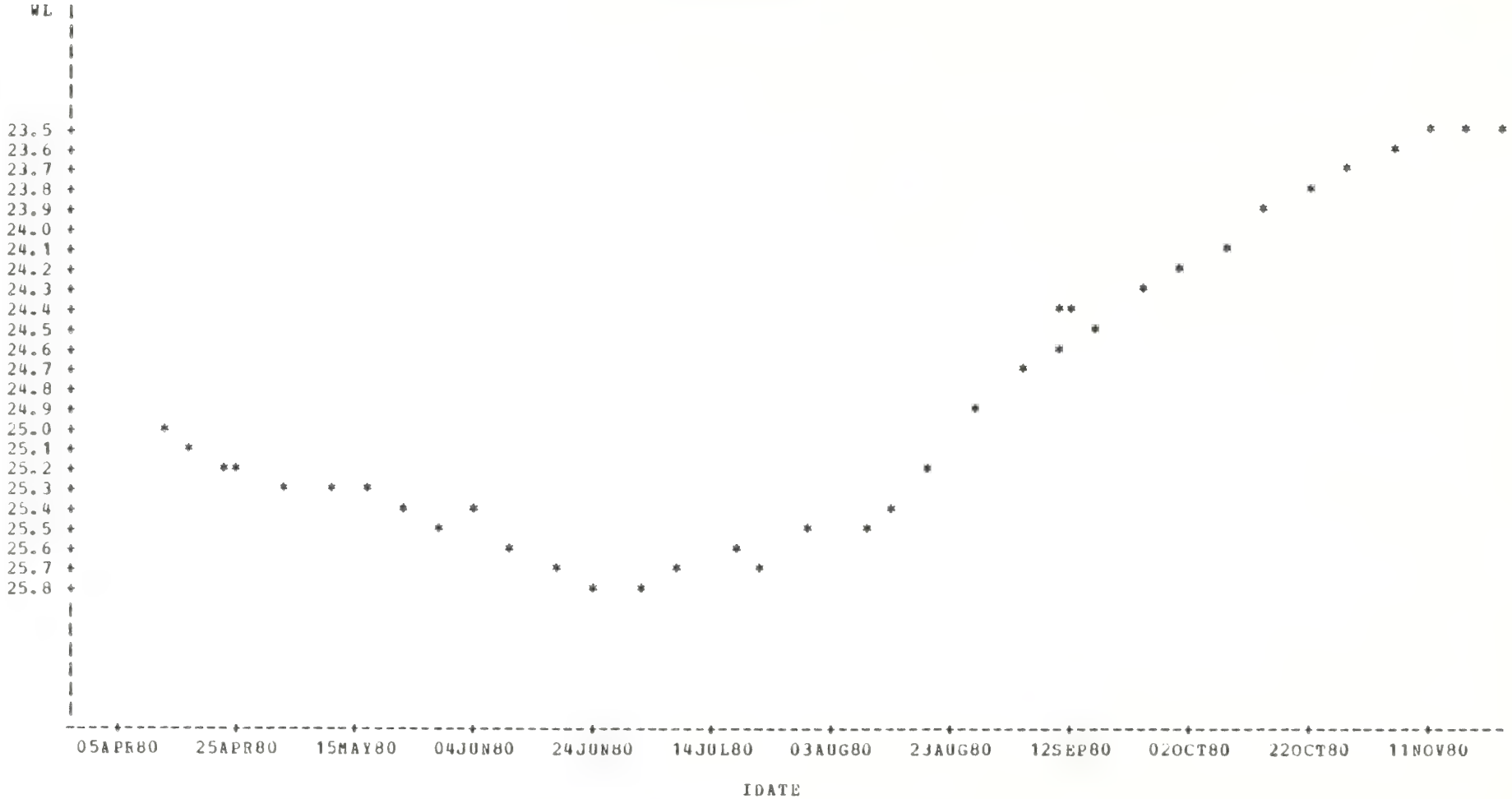
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-M100



NOTE: 1 OBS HAD MISSING VALUES 1 OBS HIDDEN

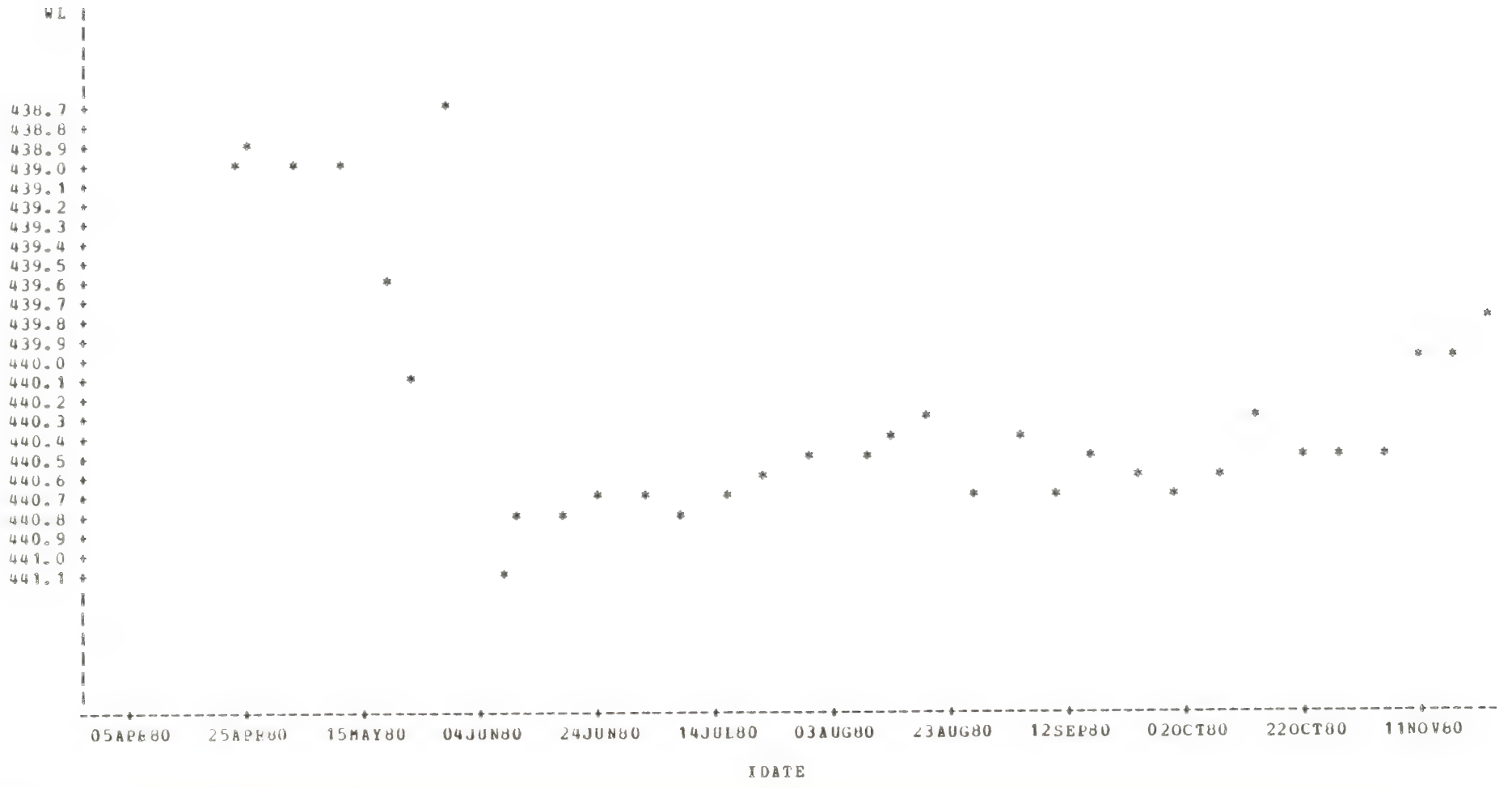
1980 REPORT YEAR

STA=GS-M11U



NOTE: 1 OBS HAD MISSING VALUES 1 OBS HIDDEN

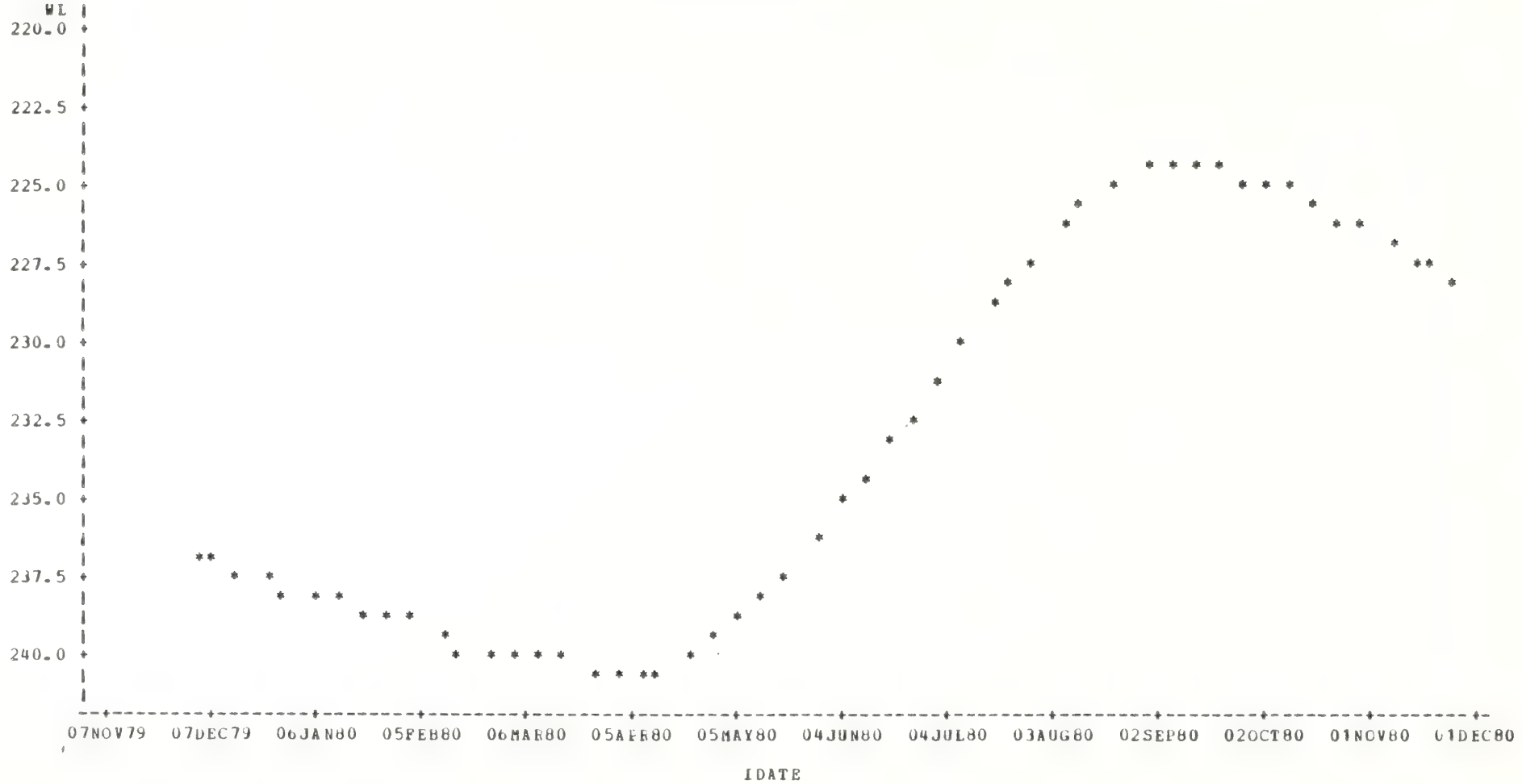
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-M120



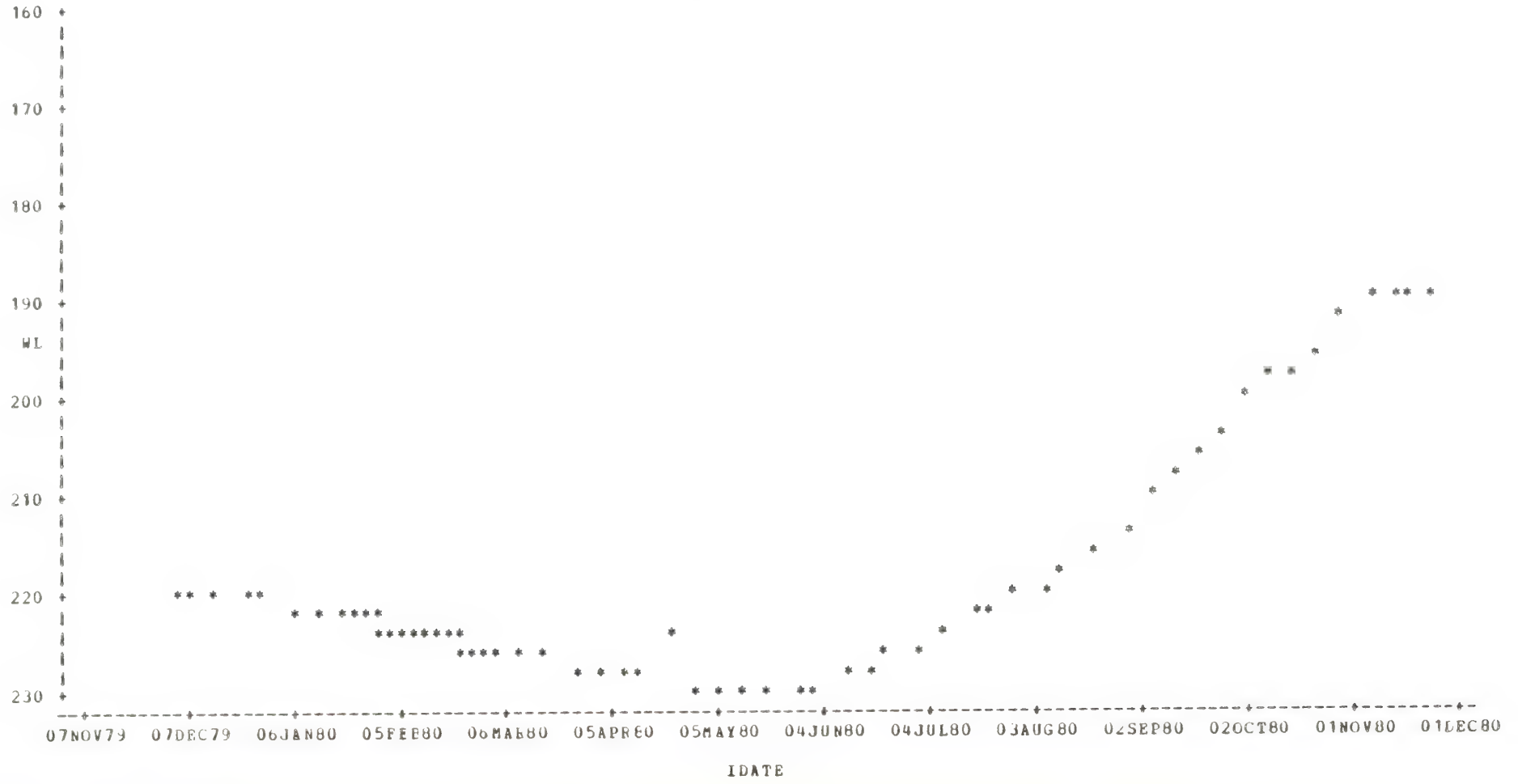
NOTE: 1 OBS HAD MISSING VALUES

1980 REPORT YEAR

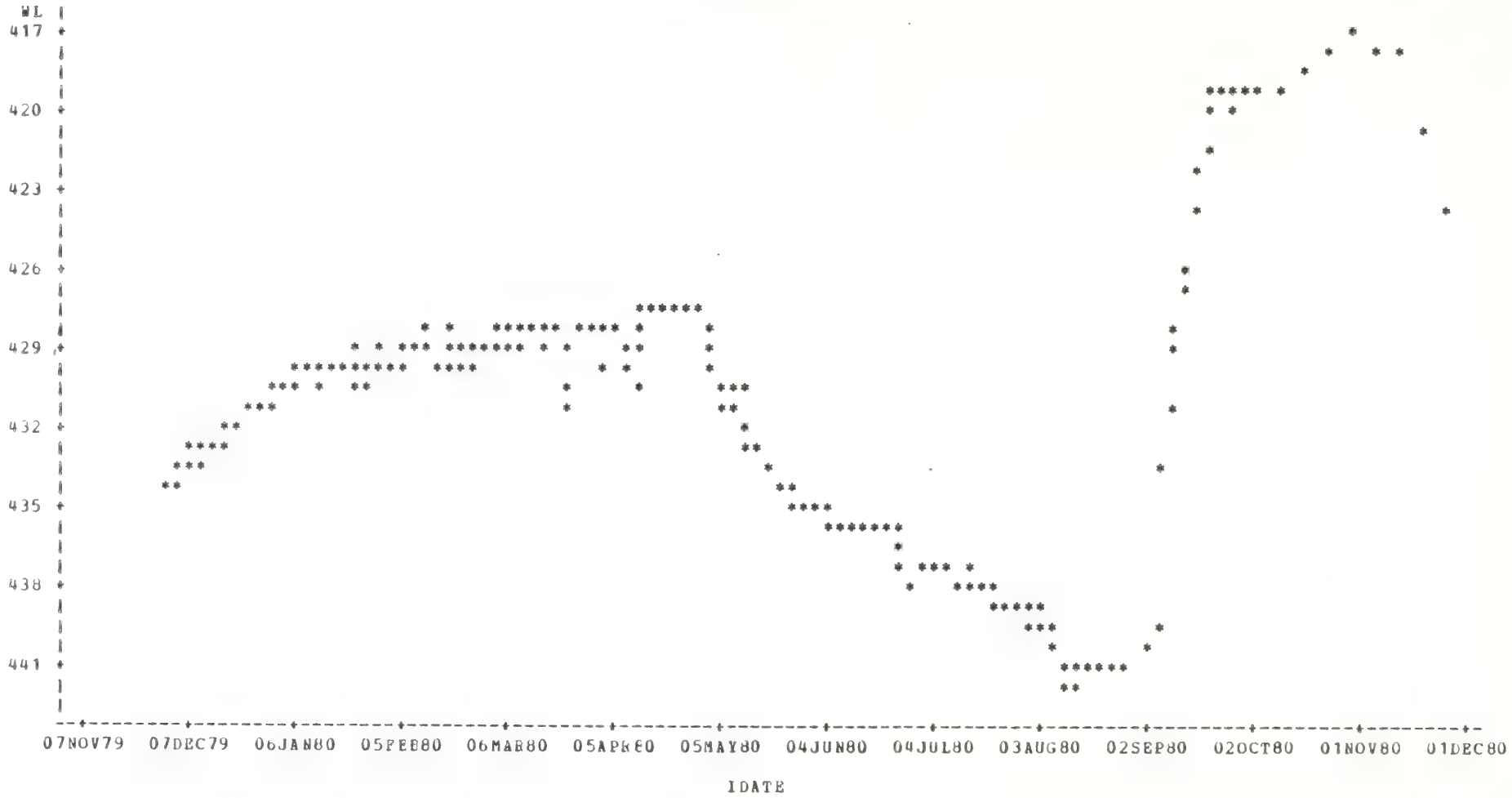
STA=GS-1U



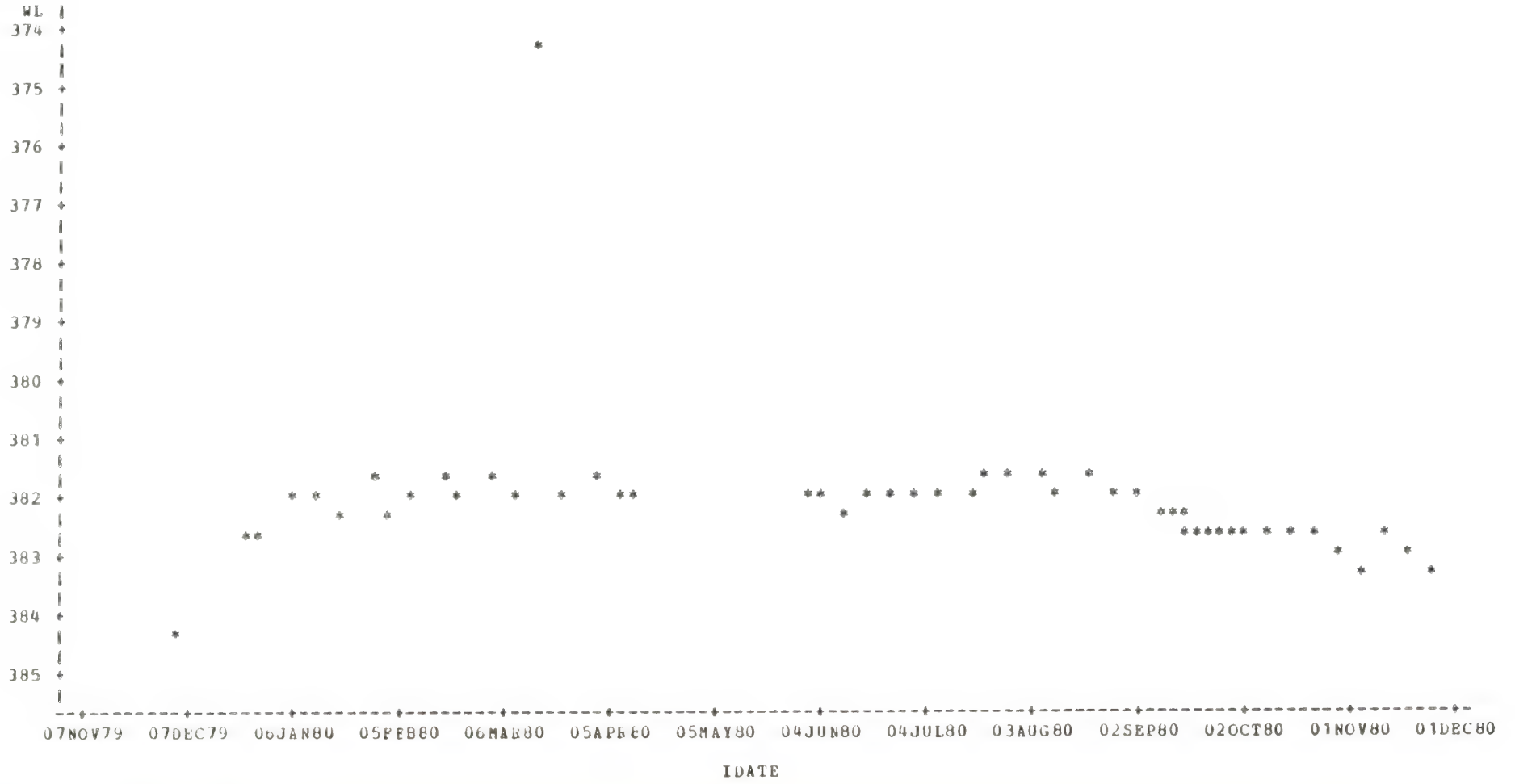
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-2-30



NOTE: 21 OBS HIDDEN



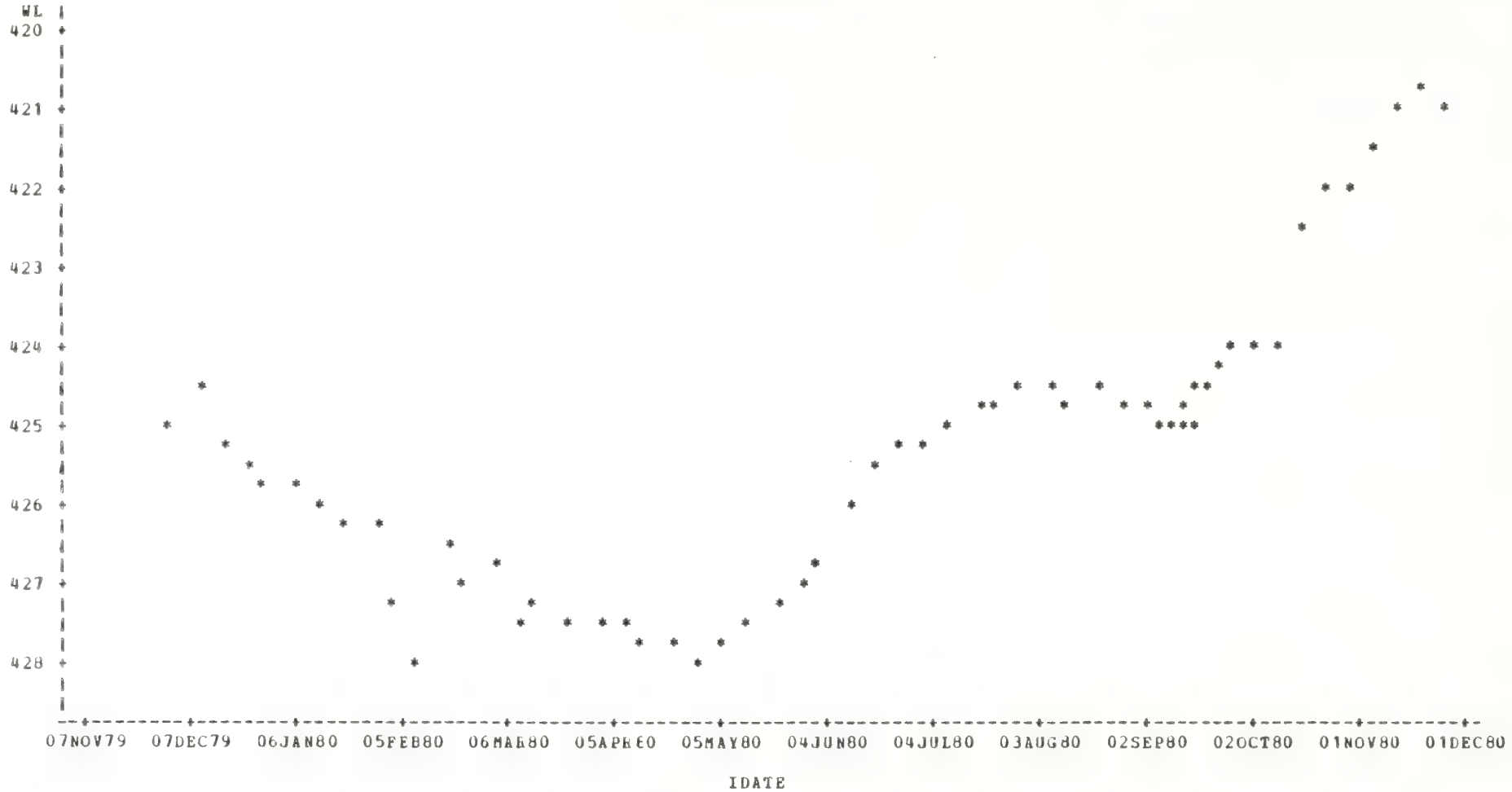
NOTE: 1 OBS HAD MISSING VALUES 139 OBS HIDDEN



NOTE: 8 OBS HIDDEN

1980 REPORT YEAR

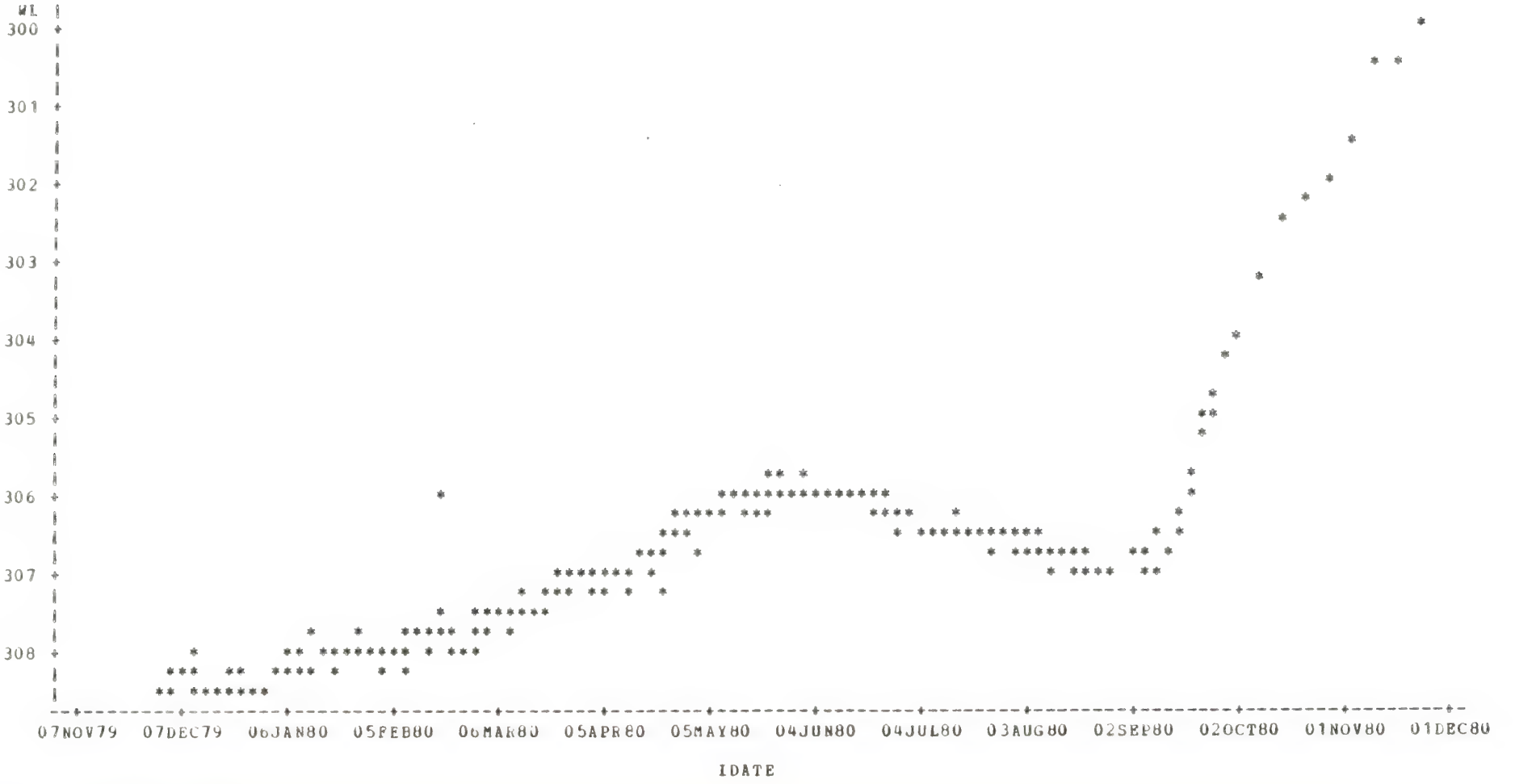
STA=GS-13U



NOTE: 8 OBS HIDDEN

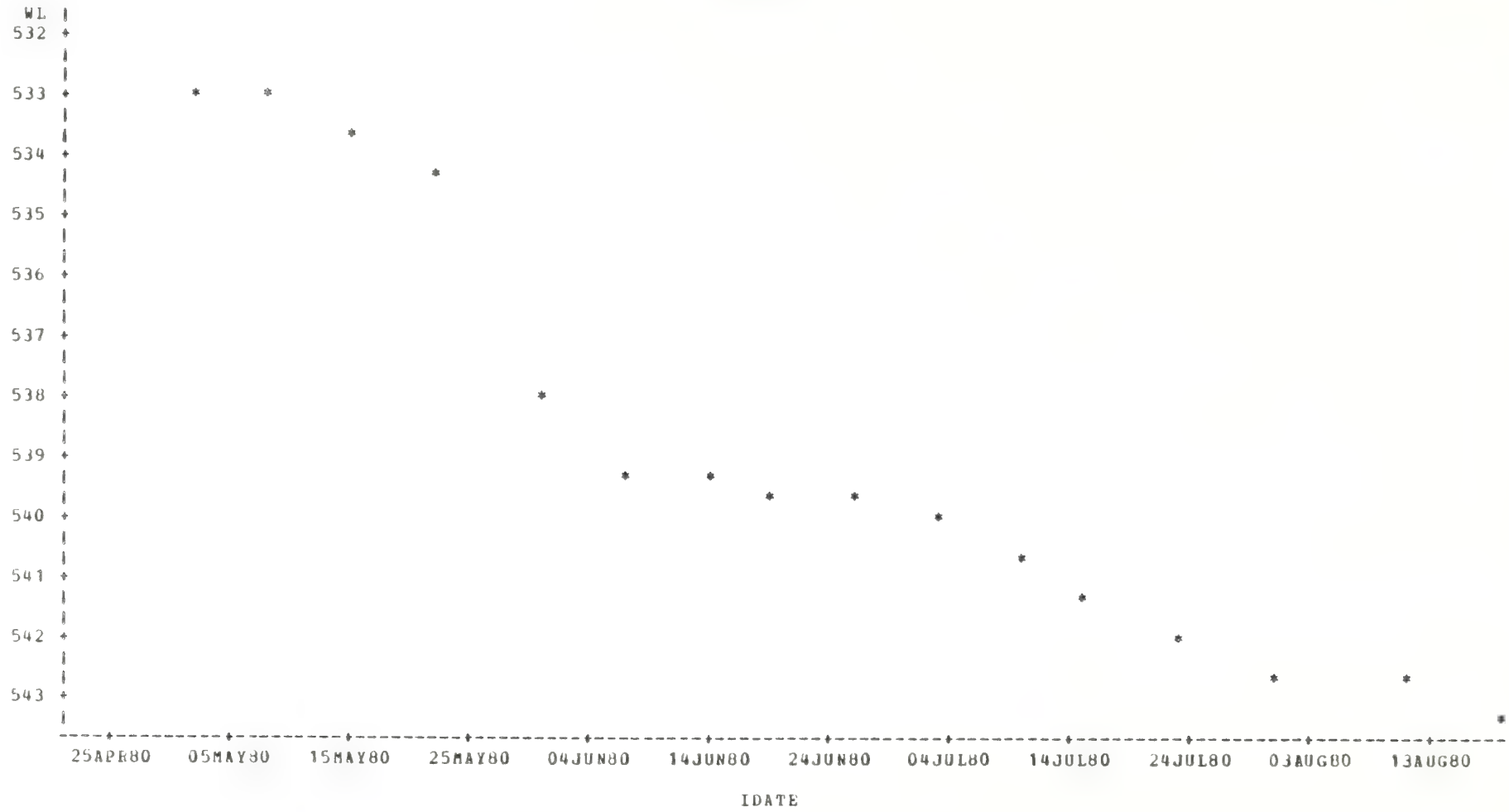
1980 REPORT YEAR

STA=GS-150



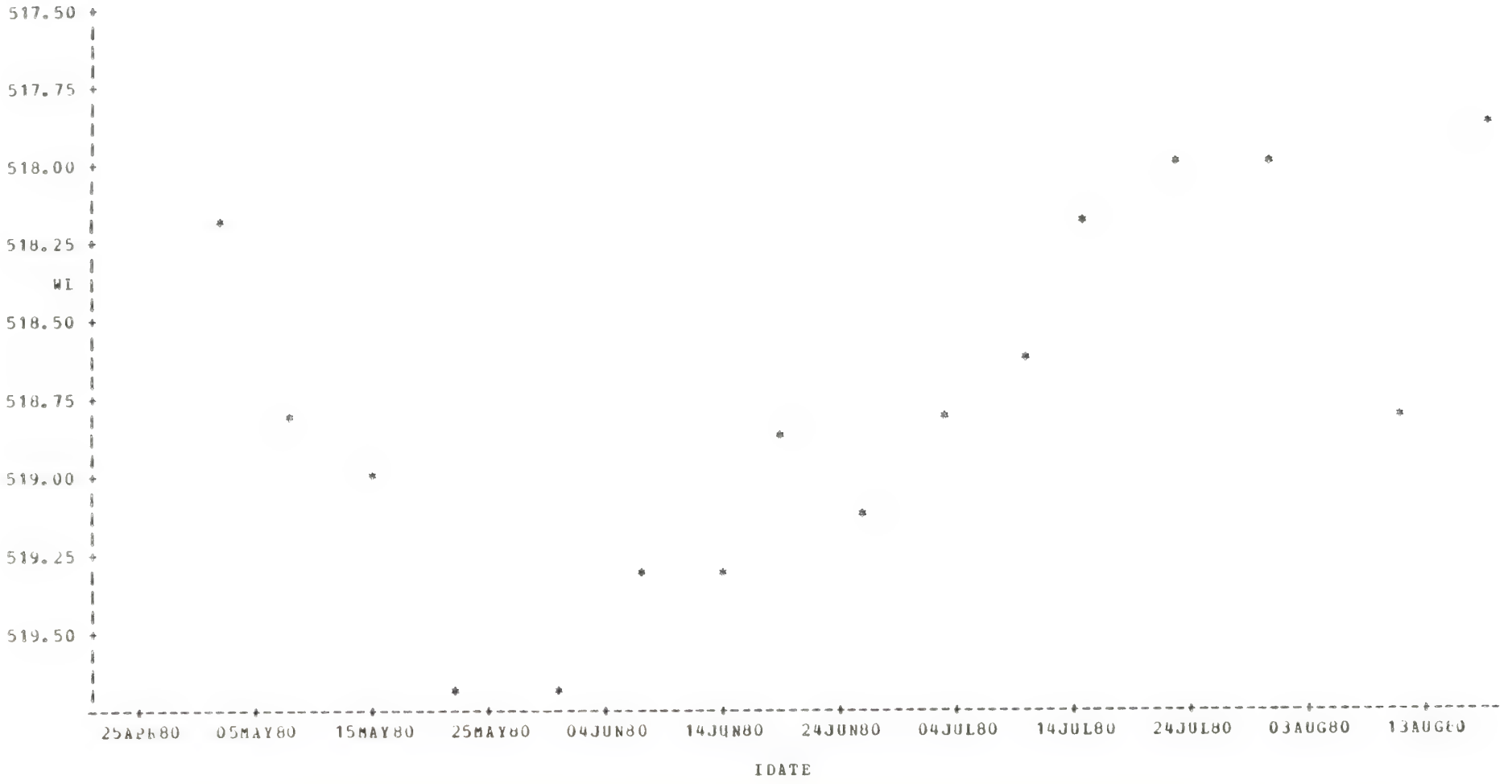
NOTE: 136 OBS HIDDEN

1980 REPORT YEAR
STA=GS-200



1980 REPORT YEAR

STA=GS-21U



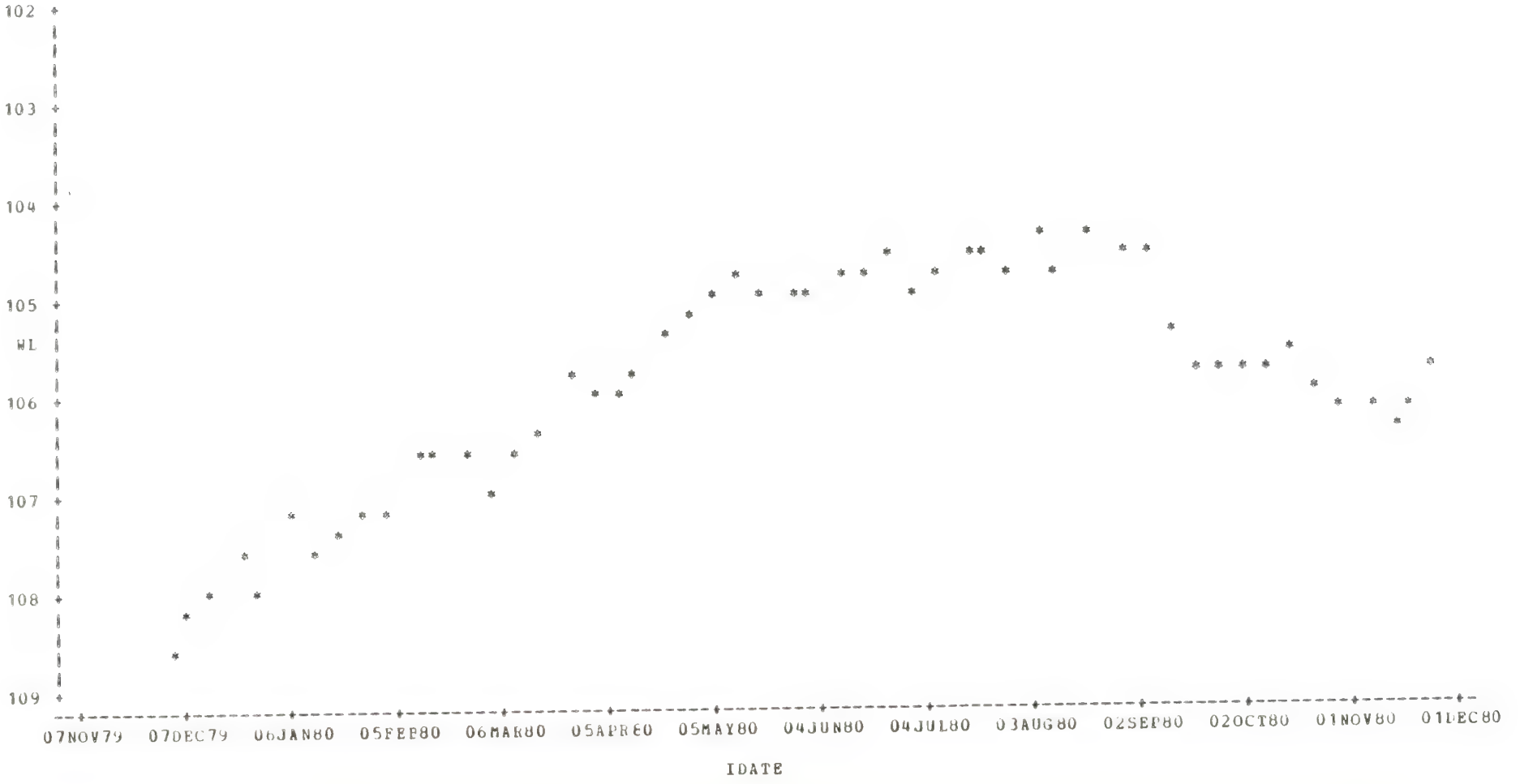
APPENDIX 5-2.4

Lower Aquifer Data
1980 Report Year Physical Data

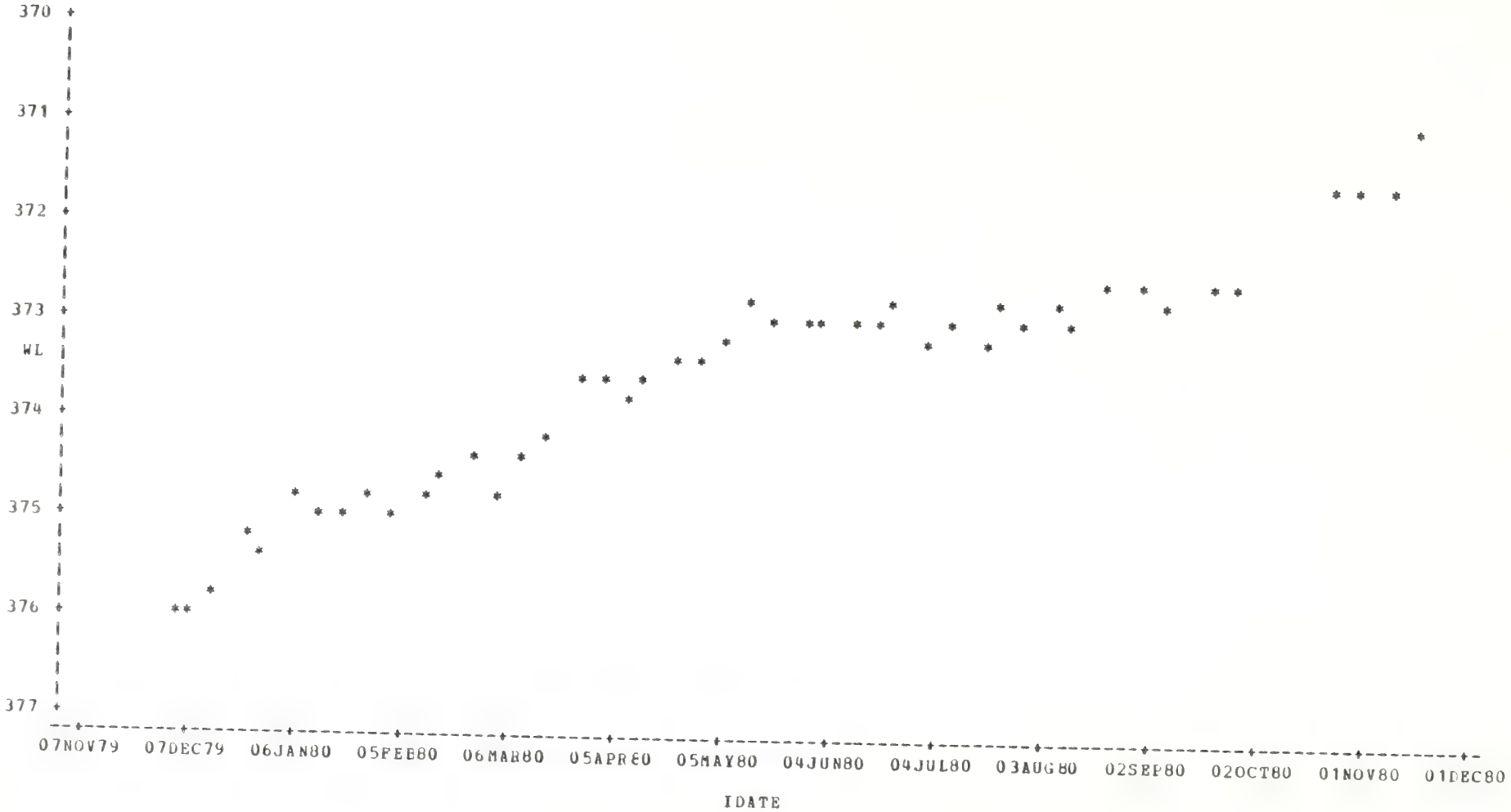
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
GROUND WATER PHYSICAL DATA

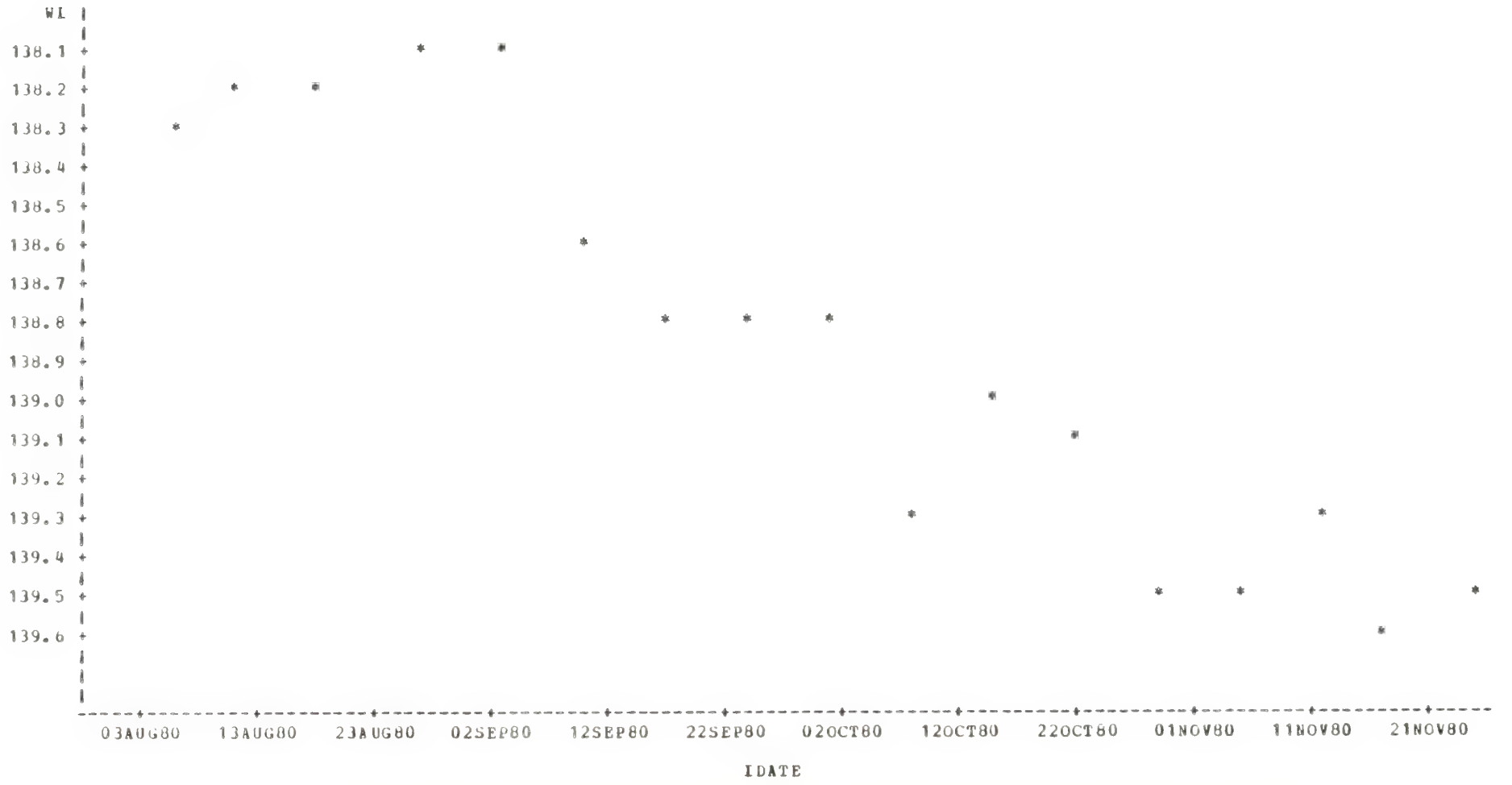
STA	MO	DAY	YR	WL	TEMP	COND	PH
C7-702L	1	27	80	40.1	14.6	1800	7.9
C1-702L	2	23	80	40.4	11.2	1475	7.2
C8-702L	5	7	80	37.0	15.0	1800	8.5
C7-709L	1	26	80	165.6	11.3	1250	8.5
C1-709L	5	14	80	163.6	12.0	1300	8.4
G8-M4L	12	19	79	548.4	13.5	1375	8.9
G0-M4L	1	30	80	548.1	13.1	1450	8.8
G8-M4L	2	26	80	548.4	13.8	1900	7.4
G8-M4L	4	23	80	546.8	14.4	2050	8.0
G2-M4L	5	7	80	546.9	14.0	2100	7.6
G0-15L	1	30	80	372.8	12.8	2225	9.0
G9-15L	5	13	80	371.2	15.4	2250	8.0
C0-2L	1	30	80	548.1	13.1	1450	8.8
C8-2L	2	26	80	548.4	13.8	1900	7.4
C0-2L	4	23	80	546.8	14.4	2050	8.0
C7-2L	5	7	80	546.9	14.0	2100	7.6

BIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-4-5L



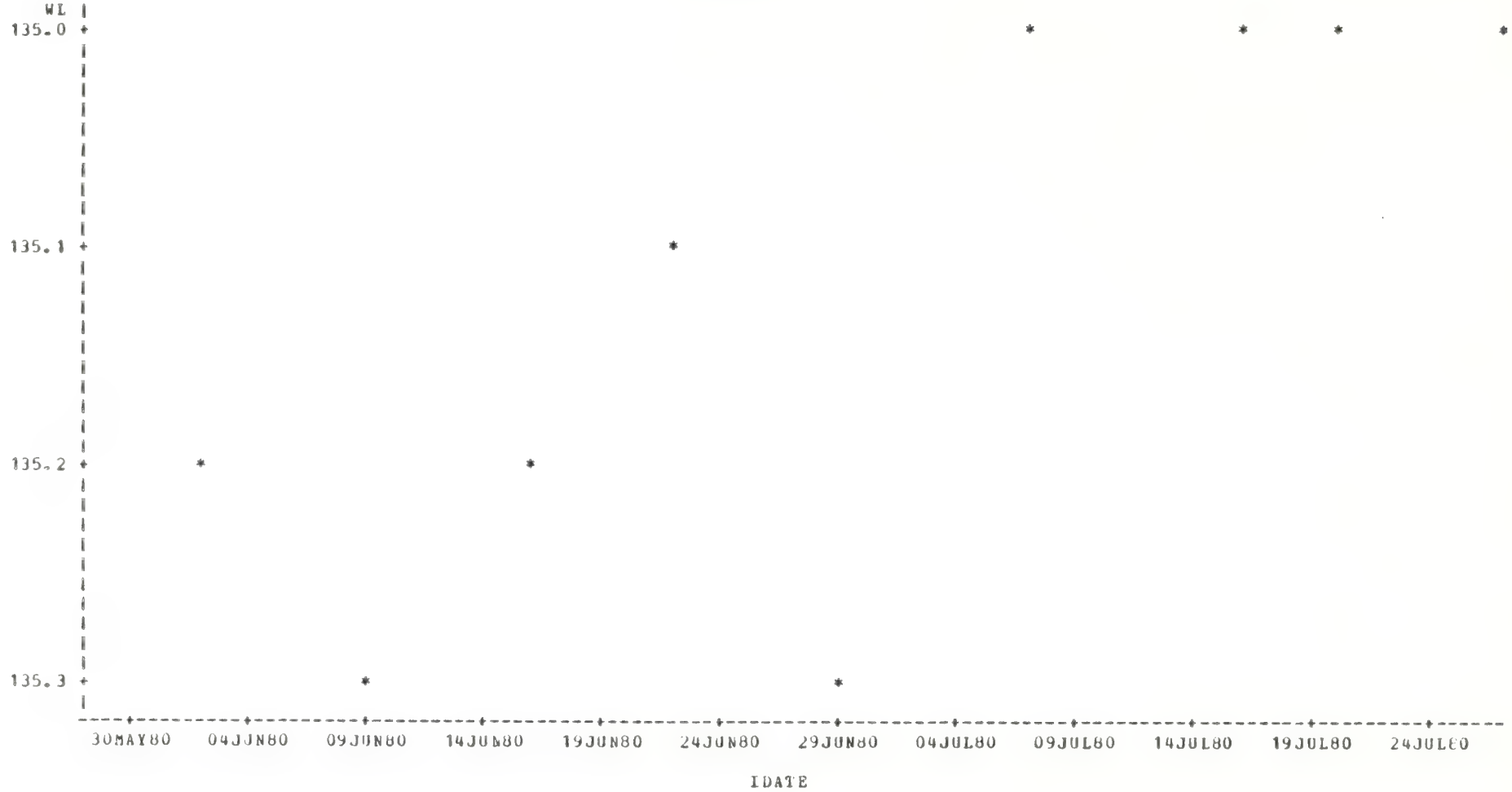
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-17L



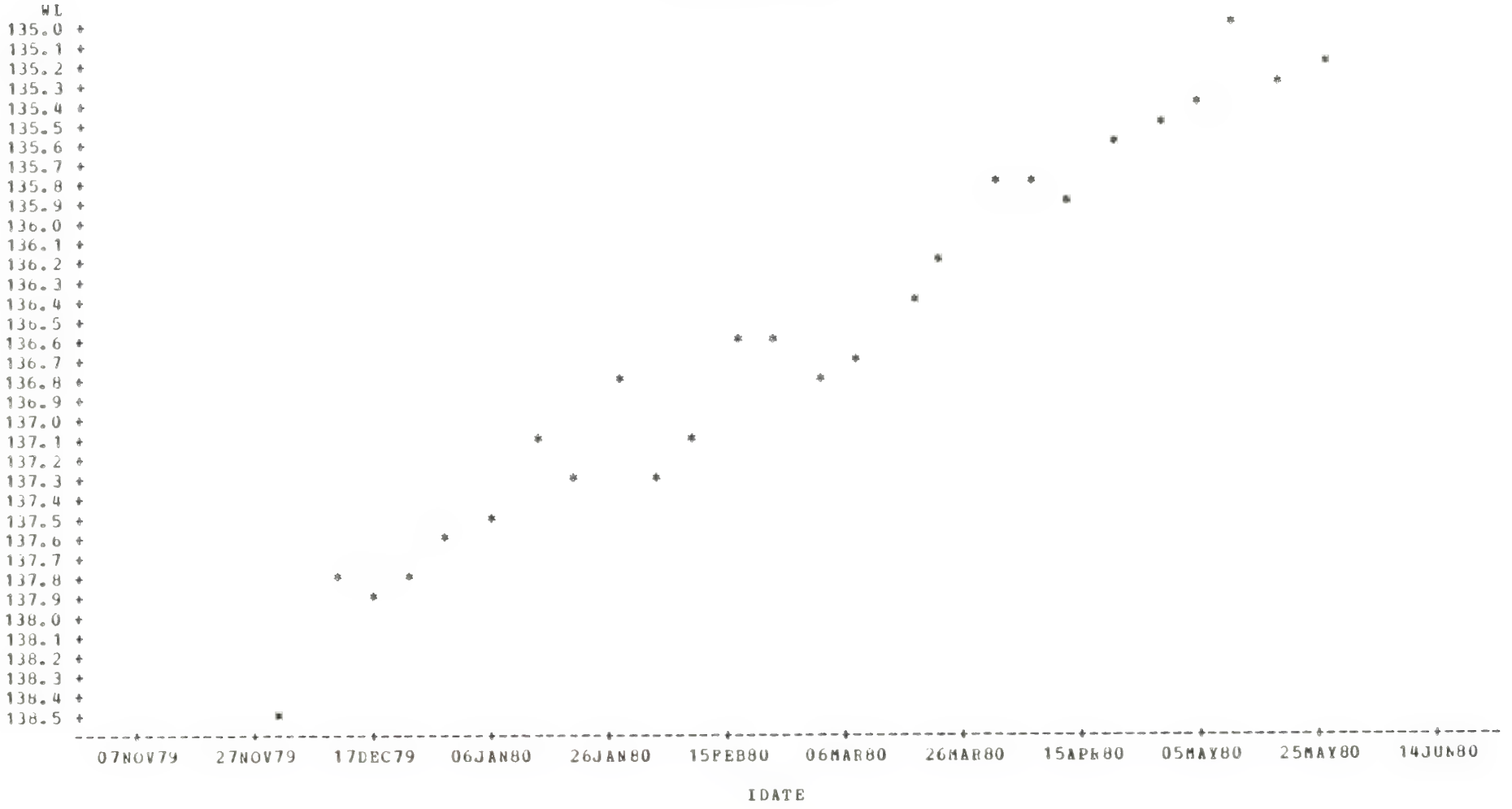

WL
138.1
138.2
138.3
138.4
138.5
138.6
138.7
138.8
138.9
139.0
139.1
139.2
139.3
139.4
139.5
139.6
03AUG80
13AUG80
23AUG80
02SEP80
12SEP80
22SEP80
02OCT80
12OCT80
22OCT80
01NOV80
11NOV80
21NOV80
IDATE

1980 REPORT YEAR

STA=TO-1L

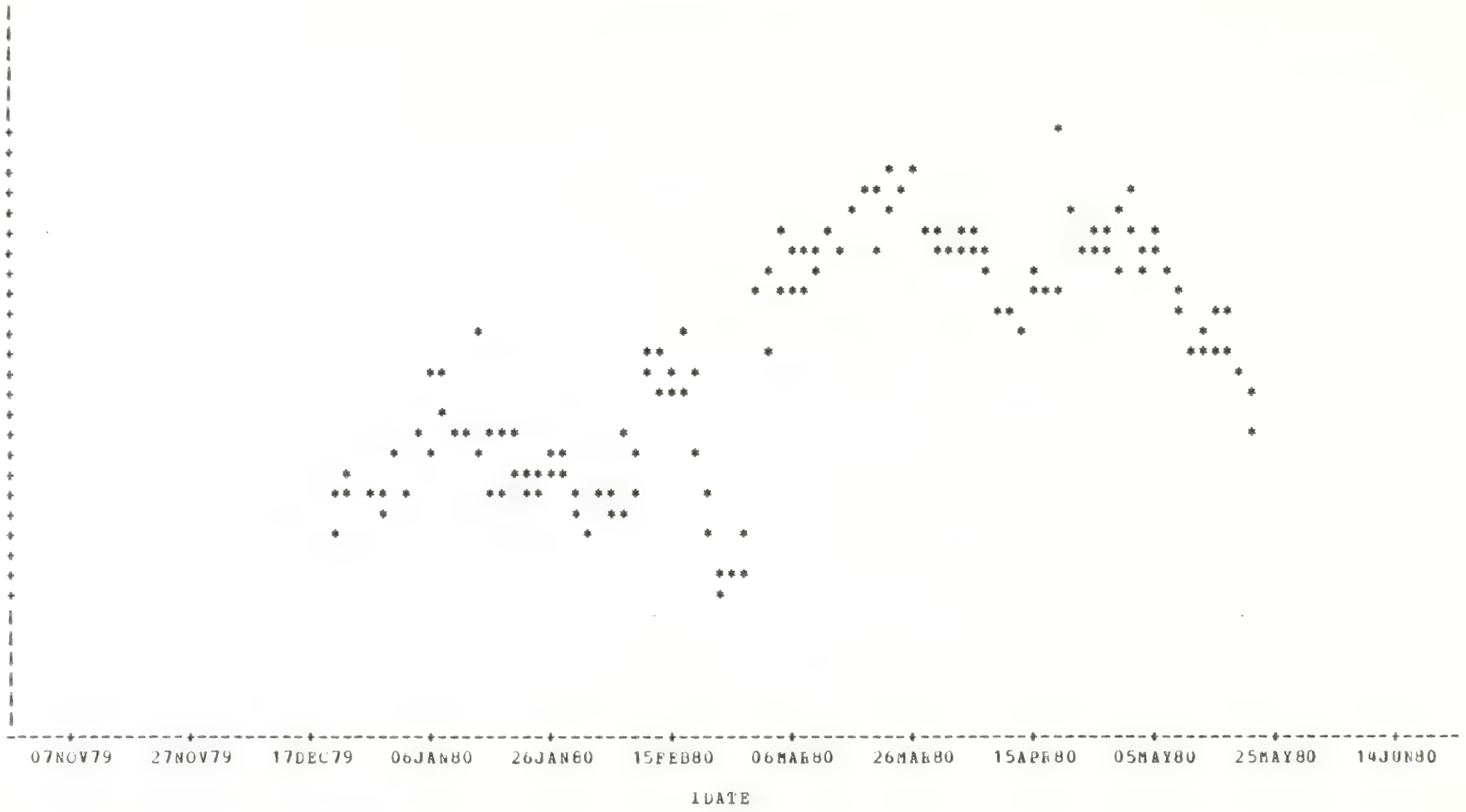


RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=TO-1L



1980 REPORT YEAR

STA=TO-2L



NOTE: 23 OBS HIDDEN

APPENDIX 5-2.5

Upper and Lower Aquifer Data
1980 Report Year Water Quality Data

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MO	V	SE	HG	DOC	TDS
AM-2AU	2	6	80	375.0	10.3	1450	7.80	544	665	-0.10	40.0	83.00	240	2.00	21.00	384	0.200	-0.01	0.200	.	.	-0.01	-0.001	5	1050
AM-3U	8	1	80	.	11.2	1080	8.20	295	360	-1.00	52.6	45.40	178	0.46	23.80	383	1.040	-0.01	0.230	-0.1	-0.5	-0.01	-0.300	-3	788
AM-3U	10	21	80	.	15.0	1130	8.12	418	497	-1.00	35.4	46.10	176	0.63	8.33	234	0.990	.	0.420	.	.	.	.	11	812
AM-3U	11	24	80	.	9.0	1060	8.50	444	475	1.91	32.2	44.20	170	0.75	3.45	247	1.070	.	0.210	.	.	.	.	4	796
CE-701U	12	26	79	152.6	11.6	1180	.	393	476	.	63.0	60.00	168	1.12	16.00	288	0.500	.	0.180	.	.	.	.	.	.
CE-701U	1	30	80	154.5	11.9	1205	7.30	390	476	-0.10	46.0	88.00	125	2.00	23.00	310	0.500	-0.01	0.100	.	.	-0.01	-0.001	4	894
CE-701U	2	25	80	155.3	12.2	1300	7.60	.	.	.	.	.	205	1.00	.	.	.	.	.	.	.	.	.	.	.
CE-701U	3	17	80	156.6	11.0	1200	7.90	425	514	-1.00	74.0	58.00	150	1.25	13.50	325	0.500	.	0.350	.	.	.	.	.	.
CE-701U	4	24	80	158.4	13.0	1350	8.50	415	502	-1.00	77.0	49.00	185	1.25	18.50	340	0.470	.	0.210	.	.	.	.	.	.
CE-701U	5	7	80	158.7	13.0	1200	7.40	.	.	-0.01	57.0	58.00	245	1.10	13.60	425	0.482	.	0.100	.	.	.	.	.	.
CE-701U	6	14	80	.	12.2	1375	7.50	350	424	.	61.6	53.92	175	1.60	13.00	386	0.540	.	0.237	.	.	.	.	.	.
CE-701U	7	15	80	.	14.1	1500	7.90	478	550	-1.00	84.0	69.00	183	1.25	17.70	366	0.510	-0.01	0.490	-0.1	-0.5	-0.01	-0.300	162	1028
CE-701U	8	28	80	.	14.0	1400	7.80	467	544	-1.00	76.0	65.00	175	0.95	9.69	370	0.580	.	0.240	.	.	.	.	.	1016

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
CE-7010	9	30	80	.	12.4	1500	7.95	447	518	-1.00	79.0	64.0	175	1.01	11.00	369	0.55	.	0.510	.	.	.	.	.	984
CE-7010	10	23	80	.	11.5	1250	8.07	371	433	-1.00	42.1	62.0	182	1.01	11.00	386	0.54	.	0.300	.	.	.	.	14	960
CE-7010	11	24	80	.	12.1	1400	7.70	466	538	-1.00	78.0	66.0	180	0.91	3.25	412	0.55	.	0.280	.	.	.	.	5	1056
CE-7020	12	27	79	50.0	12.8	1420	8.20	458	516	-0.01	34.1	63.7	215	1.00	3.60	313	1.97	.	0.175	.	.	.	.	.	.
CE-7020	1	30	80	49.4	12.3	1350	7.90	425	519	-0.10	35.0	88.0	154	1.70	13.00	328	1.80	-0.01	-0.100	.	.	-0.01	-0.001	.	938
CE-7020	2	25	80	45.5	13.2	1300	7.90	.	.	.	.	.	220	0.75	.	.	.	.	.	.	.	.	.	.	.
CE-7020	3	17	80	43.0	12.2	1250	8.30	495	563	30.00	26.0	49.0	220	1.75	9.50	250	2.10	.	0.410	.	.	.	.	.	.
CE-7020	4	23	80	44.4	14.8	1350	8.30	455	518	16.20	29.0	.	225	0.75	14.50	350	1.53	.	0.290	.	.	.	.	.	.
CE-7020	5	7	80	43.0	14.5	1400	7.90	441	537	-0.01	29.0	63.0	275	0.80	15.60	373	1.80	.	0.190	.	.	.	.	.	.
CE-7020	6	14	80	.	15.0	1400	7.90	396	393	-0.01	30.8	69.7	235	1.50	15.00	378	2.00	.	0.128	.	.	.	.	.	.
CE-7020	8	5	80	.	.	1250	8.10	482	540	-1.00	42.7	60.0	228	0.50	22.80	331	1.80	-0.01	0.270	-0.1	-0.5	-0.01	-0.300	-3	964
CE-7020	8	28	80	.	16.5	1360	8.20	488	563	-1.00	31.0	63.0	218	0.61	10.60	326	1.52	.	0.350	.	.	.	.	.	928
CE-7020	9	30	80	.	16.4	1560	8.24	477	558	-1.00	29.7	62.0	212	0.41	6.22	316	1.94	.	0.650	.	.	.	.	.	964

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
CE-702U	10	23	80	.	15.0	1390	7.70	466	540	-1.00	30.4	67	214	0.49	10.10	320	1.830	.	0.340	.	.	.	.	12	996
CE-702U	11	24	80	.	11.5	1360	8.30	476	607	-1.00	30.5	69	210	0.48	4.14	354	1.850	.	0.240	.	.	.	.	8	976
CE-705AU	12	26	79	244.20	11.1	1100	.	458	554	.	61.0	69	139	0.69	5.20	263	0.418	.	0.195	.	.	.	.	.	.
CE-705AU	1	30	80	244.30	11.4	1150	7.50	460	561	-0.10	50.0	96	70	1.30	10.00	189	0.300	-0.01	0.100	.	.	-0.01	-0.001	5	729
CE-705AU	2	25	80	246.60	11.0	1200	7.50	.	.	.	.	.	145	0.75	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	3	19	80	247.20	11.0	910	7.80	373	397	-0.01	29.0	50	133	0.75	10.00	150	0.360	.	0.180	.	.	.	.	.	.
CE-705AU	4	23	80	250.05	12.0	1050	8.50	430	490	15.00	39.0	58	150	0.50	12.00	250	0.340	.	0.190	.	.	.	.	.	.
CE-705AU	5	13	80	257.00	11.0	1250	7.80	435	522	-0.01	59.0	70	165	0.75	11.00	298	0.485	.	0.270	.	.	.	.	.	.
CE-705AU	6	11	80	.	13.0	1300	7.50	436	512	-0.01	72.0	70	160	0.75	10.00	375	0.432	.	0.075	.	.	.	.	.	.
CE-705AU	8	27	80	.	12.0	1280	7.80	509	589	-1.00	70.0	74	130	0.24	9.12	277	0.420	.	0.380	.	.	.	.	.	896
CE-705AU	9	30	80	.	12.4	1250	8.20	480	570	-1.00	48.5	73	131	0.25	6.22	244	0.320	.	0.630	.	.	.	.	.	812
CE-705AU	8	1	80	.	12.2	1200	7.60	502	569	-1.00	68.0	75	138	0.23	25.60	284	0.430	-0.01	0.290	-0.1	-0.5	-0.01	-0.300	-3	892
CE-705AU	10	21	80	.	10.9	1110	8.12	497	581	-1.00	50.6	71	134	0.21	9.00	218	0.990	.	0.320	.	.	.	.	15	852

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	P	AS	B	MOLV	SE	HG	DOC	TDS
CE-705AU	11	24	80	.	10.5	1240	7.80	514	607	-1.00	66.00	71.00	150	0.24	3.05	286	0.430	.	0.290	. .	.	.	5	932
CE-707U	12	26	79	247.0	10.3	1250	.	489	592	.	87.00	82.00	140	0.93	10.00	275	0.098	.	0.160	. .	.	.	.	.
CE-707U	1	30	80	247.3	10.9	1350	7.50	485	592	-0.10	90.00	106.00	75	2.30	13.00	306	0.100	-0.01	-0.100	. .	-0.01	-0.001	3	909
CE-707U	3	17	80	236.2	9.0	1650	8.00	375	454	-1.00	128.00	103.00	133	1.75	25.00	600	0.230	.	0.320	. .	.	.	.	.
CE-707U	4	24	80	228.0	11.0	1500	8.20	340	411	-1.00	85.00	91.00	85	1.75	23.50	480	0.190	.	0.170	. .	.	.	.	.
CE-707U	5	14	80	232.1	10.0	1425	7.30	367	437	-0.01	94.39	93.44	110	1.50	22.00	440	0.335	.	0.230	. .	.	.	.	.
CE-707U	6	14	80	.	10.8	1475	7.20	441	534	.	110.00	88.10	120	1.75	23.00	428	0.300	.	0.177	. .	.	.	.	.
CE-707U	8	28	80	.	13.0	1440	7.70	488	570	-1.00	93.00	83.00	137	1.14	16.80	378	0.240	.	0.270	. .	.	.	.	1052
CE-707U	9	30	80	.	11.5	1450	7.80	467	544	-1.00	91.00	78.00	133	0.91	16.80	358	0.190	.	0.420	. .	.	.	.	1000
CE-707U	10	23	80	.	10.5	1340	7.75	482	568	-1.00	93.00	75.00	133	1.00	13.90	316	0.270	.	0.230	. .	.	.	14	956
CE-707U	11	25	80	.	10.7	1340	7.90	471	549	-1.00	82.00	74.00	130	1.07	10.10	368	0.210	.	0.230	. .	.	.	6	976
CE-709U	12	27	79	242.5	9.2	1700	7.40	441	534	.	132.00	99.40	153	0.92	4.00	573	0.298	.	0.105	. .	.	.	.	.
CE-709U	1	30	80	244.6	9.4	1650	7.00	445	543	-0.10	128.00	124.00	80	2.00	18.00	500	0.100	-0.01	-0.100	. .	-0.01	-0.001	6	1200

UPPER AQUIFER WATER QUALITY DATA

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA
CE-709U	2	26	80	245.5	11.2	1700	7.30	.	.	.	.	.	110
CE-709U	3	17	80	244.8	10.8	1500	7.60	440	532	-1.00	123.00	87.00	135
CE-709U	4	23	80	245.8	11.8	1675	8.00	447	541	-1.00	121.00	90.00	145
CE-709U	5	14	80	247.2	10.0	1700	7.30	412	491	-0.01	111.00	111.00	156
CE-709U	6	14	80	.	11.1	1675	7.10	441	534	.	101.00	97.30	165
CE-709U	8	21	80	.	14.0	1650	7.42	531	609	-1.00	136.00	96.00	154
CE-709U	8	28	80	.	12.5	1480	7.40	501	583	-1.00	124.00	94.00	161
CE-709U	9	30	80	.	11.7	1600	7.50	497	580	-1.00	131.00	88.00	140
CE-709U	11	25	80	.	10.5	1490	7.50	497	581	-1.00	105.00	86.00	150
GS-M1U	7	24	80	.	15.0	1400	7.70	396	468	-1.00	50.60	42.30	243
GS-M1U	12	19	79	655.8	13.5	1250	8.30	339	410	.	52.09	42.85	215
GS-M1U	1	30	80	655.3	15.6	1275	7.50	349	427	-0.10	80.00	37.00	185
GS-M1U	2	26	80	654.9	13.8	1375	7.20	.	.	.	.	.	195

STA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
CE-709U	1.00	.	.	.	.	.	.	.	.	.	.	.
CE-709U	0.75	15.00	470	0.390	.	0.350	.	.	.	.	.	.
CE-709U	0.50	18.00	610	0.480	.	0.270	.	.	.	.	.	.
CE-709U	1.00	20.00	.	0.550	.	0.160	.	.	.	.	.	.
CE-709U	1.25	19.00	586	0.630	.	0.235	.	.	.	.	.	.
CE-709U	0.40	23.40	463	0.390	0.01	0.300	0.4	-0.5	-0.01	-0.300	29	1248
CE-709U	0.33	22.00	500	0.360	.	0.330	.	.	.	.	.	1204
CE-709U	0.52	19.60	458	0.330	.	0.510	.	.	.	.	.	1212
CE-709U	0.34	9.85	466	0.330	.	0.330	.	.	.	.	5	1212
GS-M1U	0.68	10.80	385	-0.100	-0.01	-0.010	-0.1	-0.5	-0.01	-0.300	15	1012
GS-M1U	0.70	10.40	388	0.161	.	0.110	.	.	.	.	.	.
GS-M1U	1.00	10.00	350	-0.100	-0.01	0.100	.	.	-0.01	-0.001	.	850
GS-M1U	0.50	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	LOC	TDS
GS-M10	3	17	80	651.3	11.8	1400	8.30	350	424	-1.00	53.0	37.0	225	0.75	22.50	380	0.14	.	0.100	.	.	.	.	.	.
GS-M10	4	23	80	651.3	14.8	1375	8.10	371	449	-1.00	58.0	41.0	225	0.50	12.00	380	0.13	.	0.165	.	.	.	.	.	.
GS-M10	5	7	80	650.8	14.0	1300	7.90	334	404	-0.01	47.0	41.0	300	0.75	12.40	450	0.15	.	0.070	.	.	.	.	.	.
GS-M10	6	11	80	.	15.0	1450	7.80	437	396	-0.01	46.0	44.0	250	0.75	11.40	356	0.15	.	0.105	.	.	.	.	.	.
GS-M10	9	3	80	.	14.0	1800	7.70	403	466	-1.00	73.0	57.0	276	1.15	9.22	631	0.14	.	0.290	.	.	.	.	.	1260
GS-M10	9	30	80	.	14.7	1720	8.12	408	473	-1.00	53.7	46.8	251	0.65	9.09	463	0.11	.	0.450	.	.	.	.	.	1120
GS-M10	10	21	80	.	13.5	1380	7.85	402	478	-1.00	51.6	46.1	262	0.64	9.28	471	0.43	.	0.180	.	.	.	.	12	1096
GS-M10	11	24	80	.	13.5	1440	8.00	402	471	-1.00	50.0	43.6	280	0.68	4.93	475	0.18	.	0.230	.	.	.	.	-3	1112
GS-M10U	5	8	80	58.3	13.5	1375	7.50	384	469	-0.10	84.0	80.0	117	1.70	14.00	363	0.80	-0.01	0.100	.	.	-0.01	-0.001	.	962
GS-M10U	8	7	80	.	12.0	1300	7.50	435	509	-1.00	91.0	77.0	146	0.45	25.60	435	0.87	0.01	0.510	-0.1	-0.5	-0.01	-0.300	-3	976
GS-M11U	5	8	80	25.3	13.2	1350	7.50	379	463	-0.10	112.0	69.0	112	2.30	14.00	363	0.30	-0.01	0.100	.	.	-0.01	-0.001	.	952
GS-M11U	8	7	80	.	11.8	1480	7.70	424	492	-1.00	113.0	76.0	119	1.45	18.00	409	3.56	-0.01	0.390	-0.1	-0.5	-0.01	-0.300	-3	904
GS-M12U	5	8	80	439.0	13.8	1575	7.10	339	414	-0.10	77.0	88.0	180	2.30	11.00	528	0.50	0.04	0.100	.	.	-0.01	-0.001	.	1190

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA
GS-M12U	8	7	80	.	17.5	1400	7.55	477	558	-1.00	77.00	76.00	193
GS-M2U	2	3	80	217.3	11.2	1550	9.20	418	415	96.00	56.00	118.00	192
GS-M2U	5	7	80	217.0	12.5	1500	9.40	408	376	67.98	13.00	104.00	205
GS-M2U	7	24	80	.	13.5	1800	9.60	590	398	14.90	6.60	96.90	225
GS-M2U	10	21	80	.	11.0	1500	9.20	497	349	11.40	5.22	120.00	220
GS-M2U	11	24	80	.	10.5	1640	9.30	749	384	24.00	4.70	121.00	220
GS-M3U	2	3	80	11.7	7.9	1210	9.70	518	439	19.00	11.00	63.00	260
GS-M3U	5	13	80	11.7	7.0	1300	9.70	490	433	79.20	4.40	49.00	205
GS-M3U	7	24	80	.	11.0	1320	9.90	716	471	18.60	3.48	51.40	265
GS-M3U	11	24	80	.	8.2	1300	9.80	939	513	29.80	3.80	51.00	280
GS-M4U	12	19	79	548.4	13.5	1375	8.90	370	350	48.60	11.95	78.03	200
GS-M4U	1	30	80	548.1	13.1	1450	8.80	533	653	-0.10	98.00	172.00	192
GS-M4U	2	26	80	548.4	13.8	1900	7.40	.	.	.	.	.	165

STA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
GS-M12U	0.51	32.30	452	0.490	0.03	0.420	-0.1	-0.5	-0.01	-0.300	-3	1036
GS-M2U	3.30	15.00	500	-0.100	-0.01	0.100	.	.	-0.01	-0.001	.	1060
GS-M2U	4.55	20.00	335	0.107	.	0.032	.	.	.	.	.	.
GS-M2U	6.53	19.60	500	-0.100	-0.01	-0.010	-0.1	-0.5	-0.01	-0.300	25	1116
GS-M2U	3.00	15.00	486	0.340	.	0.080	.	.	.	.	6	1180
GS-M2U	2.70	10.50	560	0.140	.	0.250	.	.	.	.	6	1204
GS-M3U	2.00	15.00	150	1.600	-0.01	0.400	.	.	-0.01	-0.001	.	895
GS-M3U	2.60	13.00	198	0.270	.	0.250	.	.	.	.	.	.
GS-M3U	2.09	16.50	342	0.550	-0.01	0.170	-0.1	-0.5	-0.01	-0.300	42	1044
GS-M3U	1.56	9.16	298	1.540	.	0.210	.	.	.	.	6	1012
GS-M4U	2.10	6.00	325	0.135	.	0.180	.	.	.	.	.	.
GS-M4U	2.00	13.00	770	0.100	-0.01	0.300	.	.	-0.01	-0.001	.	1630
GS-M4U	1.25	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SPCOND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
GS-M40	3	17	80	546.5	12.0	1450	9.6	390	303	84.00	22.0	65	220	2.50	48.00	400	0.130	.	0.180	.	.	.	.	.	.
GS-M40	4	23	80	546.8	14.4	2050	8.0	583	705	-1.00	126.0	110	235	2.00	12.50	660	0.210	.	0.312	.	.	.	.	.	.
GS-M40	5	7	80	546.9	14.0	2100	7.6	525	635	-0.01	120.0	120	305	1.70	14.00	548	0.185	.	0.170	.	.	.	.	.	.
GS-M40	6	11	80	.	14.5	1700	7.9	437	516	-0.01	57.0	100	240	1.50	11.00	540	0.176	.	0.105	.	.	.	.	.	.
GS-M40	7	24	80	.	15.5	2400	7.5	606	711	-1.00	62.6	114	326	1.31	15.00	727	-0.100	-0.01	-0.010	-0.1	-0.5	-0.01	-0.300	39	1584
GS-M40	8	27	80	.	14.0	1980	7.6	615	725	-1.00	118.0	117	247	0.97	21.50	668	0.220	.	0.310	.	.	.	.	.	1608
GS-M40	9	30	80	.	15.0	2040	7.8	631	745	-1.00	138.0	121	232	0.88	9.09	688	0.200	.	0.830	.	.	.	.	.	1664
GS-M40	11	24	80	.	14.0	2120	7.8	583	664	-1.00	119.0	112	240	0.95	5.42	712	0.290	.	0.290	.	.	.	.	5	1648
GS-M60	5	10	80	462.1	.	.	.	672	822	-0.10	59.0	60	210	2.00	16.00	186	0.100	-0.01	0.100	.	.	-0.01	-0.001	6	998
GS-M80	4	30	80	49.7	14.5	.	.	494	566	-0.01	39.0	70	210	2.70	7.00	300	1.000	-0.01	0.600	.	.	-0.01	-0.001	4	866
GS-100	1	30	80	430.0	12.9	1950	7.4	650	793	-0.10	120.0	144	140	2.70	10.00	500	0.100	-0.01	0.100	.	.	-0.01	-0.001	-1	1410
GS-100	2	25	80	429.3	12.2	2050	7.2	.	.	.	.	.	220	1.50	.	.	.	.	.	.	.	.	.	.	.
GS-100	3	19	80	428.3	13.6	1950	7.5	670	811	-1.00	147.0	110	210	1.25	10.50	620	0.260	.	0.380	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
GS-100	4	23	80	437.4	13.8	2000	8.50	678	820	-1.0	133	117	235	1.00	10.50	630	0.240	.	0.405	.	.	.	.	.	.
GS-100	5	14	80	432.5	12.5	2100	7.20	593	718	-1.0	114	129	165	1.00	11.00	588	0.321	.	0.270	.	.	.	.	.	.
GS-100	6	11	80	.	14.5	2100	7.10	630	762	.	129	188	275	1.00	10.40	644	0.250	.	0.105	.	.	.	.	.	.
GS-100	8	1	80	.	13.8	2200	7.20	725	828	-1.0	140	114	246	0.72	21.90	611	0.510	-0.01	0.660	-0.1	-0.5	-0.01	-0.300	-3	1548
GS-100	8	27	80	.	13.0	2200	7.49	741	868	-1.0	133	108	252	0.77	9.22	662	0.240	.	0.310	.	.	.	.	.	1684
GS-100	9	16	80	.	18.5	2200	7.30	709	833	-1.0	143	122	240	0.90	9.38	637	0.100	0.01	0.360	-0.1	-0.5	-0.01	5.000	77	1700
GS-100	10	21	80	.	11.2	2000	7.30	704	813	-1.0	138	118	252	0.71	8.42	719	0.710	.	0.310	.	.	.	.	16	1684
GS-100	11	24	80	.	13.0	2080	7.40	698	826	-1.0	132	113	250	0.84	4.24	753	0.250	.	0.390	.	.	.	.	4	1732
GS-120	9	16	80	.	18.0	1840	7.60	631	738	-1.0	71	80	229	1.13	8.42	433	-0.100	-0.01	0.360	-0.1	-0.5	-0.01	1.000	71	1308
GS-130	9	16	80	.	17.0	1840	7.30	581	686	-1.0	115	103	204	0.55	11.30	551	0.100	-0.01	0.320	-0.1	-0.5	-0.01	-0.300	74	1396
GS-150	1	30	80	308.1	12.4	2350	7.60	505	616	-0.1	128	221	100	3.00	13.00	850	0.200	-0.01	0.200	.	.	-0.01	-0.001	-1	1620
GS-150	2	25	80	307.9	12.0	1950	7.50	.	.	.	.	.	215	1.75	.	.	.	.	.	.	.	.	.	.	.
GS-150	3	17	80	307.5	11.5	2100	7.60	485	587	-1.0	128	141	210	2.00	11.00	900	0.410	.	0.320	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA
GS-15U	4	23	80	306.5	13.8	2300	8.20	521	630	-1.00	112.0	169.0	260
GS-15U	5	13	80	306.1	13.0	2300	7.30	478	571	-0.01	105.0	172.0	245
GS-15U	6	11	80	.	14.0	2250	7.40	478	578	.	122.0	158.0	285
GS-15U	8	27	80	.	15.0	2360	7.80	541	634	-1.00	107.0	152.0	254
GS-15U	8	5	80	.	13.8	2400	7.70	518	470	-1.00	112.0	140.0	260
GS-15U	9	16	80	.	18.0	2560	7.95	536	628	-1.00	109.0	152.0	246
GS-15U	10	21	80	.	13.0	2200	7.70	571	678	-1.00	124.0	165.0	257
GS-15U	11	24	80	.	11.9	2160	7.90	527	620	-1.00	87.0	128.0	290
GS-19U	8	1	80	.	15.5	2160	8.30	1158	1367	-1.00	9.2	8.4	520
GS-19U	9	16	80	.	17.0	2160	8.49	1265	1450	2.55	7.0	7.7	527
GS-9U	12	27	79	334.1	10.9	1220	7.40	397	481	.	102.0	70.1	113
GS-9U	2	26	80	346.6	11.8	820	7.50	.	.	.	.	.	62
GS-9U	3	19	80	349.7	11.0	1100	7.40	415	502	-1.00	110.0	64.0	95

STA	K	CL	SO4	F	AS	B	MOL	V	SE	HG	DOC	TDS
GS-15U	0.75	10.50	1050.0	0.310	.	0.34	.	.	.	.	.	.
GS-15U	1.25	8.00	900.0	0.962	.	0.23	.	.	.	.	.	.
GS-15U	1.00	11.20	1000.0	0.340	.	0.10	.	.	.	.	.	.
GS-15U	1.08	11.10	943.0	0.350	.	0.33	.	.	.	.	.	1748
GS-15U	1.72	25.60	1007.0	0.560	-0.01	0.71	-0.1	-0.5	-0.01	-0.3	-3	1732
GS-15U	1.62	11.30	938.0	0.170	-0.01	0.32	-0.1	-0.5	-0.01	1.0	49	1892
GS-15U	0.70	10.20	936.0	5.310	.	0.46	.	.	.	.	4	1880
GS-15U	0.71	8.08	850.0	0.850	.	0.36	.	.	.	.	5	1828
GS-19U	1.26	17.10	51.8	20.900	.	0.81	.	.	.	.	.	1386
GS-19U	1.25	6.99	40.3	1.010	-0.01	0.30	-0.1	-0.5	-0.01	1.0	140	1464
GS-9U	0.93	4.80	330.0	0.279	.	0.04	.	.	.	.	.	.
GS-9U	0.75	.	.	.	.	.	.	.	.	.	.	.
GS-9U	0.75	10.00	350.0	0.270	.	0.16	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	P	AS	B	MOLV	SE	HG	DGC	TDS
GS-90	4	23	80	351.8	14.0	1250	8.1	421	509	-1.00	103.00	67.00	105	0.75	11.00	320	0.270	.	0.245	. .	.	.	.	.
GS-90	5	14	80	350.0	11.0	1250	7.4	350	414	-0.01	90.02	71.51	115	0.80	10.00	300	0.355	.	0.090	. .	.	.	.	.
GS-90	6	11	80	.	13.5	1250	7.2	396	479	.	96.00	68.00	120	0.75	10.00	348	0.280	.	0.090	. .	.	.	.	.
GS-90	8	28	80	.	15.0	1220	7.6	435	508	-1.00	93.00	66.00	113	0.46	8.27	353	0.290	.	0.300	. .	.	.	.	880
GS-90	9	30	80	.	12.0	1400	7.7	430	501	-1.00	107.00	66.00	107	0.44	9.09	300	0.250	.	0.420	. .	.	.	.	916
GS-90	10	23	80	.	11.0	1190	7.5	434	504	-1.00	106.00	65.00	104	0.52	9.09	302	0.320	.	0.280	. .	.	.	10	896
GS-90	11	24	80	.	11.0	1220	7.6	434	504	-1.00	92.00	64.00	120	0.50	13.70	356	0.310	.	0.300	. .	.	.	5	980
TO-30	1	30	80	32.7	11.8	1100	8.2	375	458	-0.10	43.00	60.00	125	2.00	10.00	222	1.000	-0.01	0.200	. .	-0.01	-0.001	-1	742
TO-30	5	13	80	31.4	10.5	1100	8.3	351	402	11.40	41.08	47.00	160	1.25	12.00	300	1.000	.	0.150	. .	.	.	.	.

N=139

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
AM-2AU	2	6	80	0.3	.	0.200	.	.	-0.10	.	15.0	-0.2	.	-0.01	-0.001	5	.	.	.	.	7.8	9
AM-3U	8	1	80	.	1.2	.	2.2	.	-0.01	.	12.0	1.3	318	-0.05	-0.050	89	.	.	.	.	.	3
AM-3U	10	21	80	.	-0.1	.	1.4	.	0.03	.	15.0	.	278	.	.	.	.	.	.	.	.	.
AM-3U	11	24	80	.	-0.1	.	1.9	.	0.08	.	11.0	.	262	.	.	.	.	.	.	.	.	.
CE-701U	12	26	79	.	.	0.015	.	.	.	.	25.0	.	.	.	.	.	.	.	.	.	.	.
CE-701U	1	30	80	1.1	.	-0.100	.	.	-0.10	.	17.0	-0.2	.	-0.01	-0.001	5	.	.	.	.	5.1	17
CE-701U	2	25	80	.	.	0.014	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	3	17	80	.	.	0.009	.	.	.	.	11.5	.	408	.	.	.	.	.	.	.	.	.
CE-701U	4	24	80	.	.	0.058	.	.	.	.	29.0	.	390	.	.	.	.	.	.	.	.	.
CE-701U	5	7	80	.	.	0.010	.	.	.	.	31.4	.	.	.	.	.	.	.	.	.	.	.
CE-701U	6	14	80	.	.	0.269	.	.	.	.	30.5	.	.	.	.	.	.	.	.	.	.	.
CE-701U	7	15	80	.	2.6	.	-0.1	.	-0.01	.	27.0	4.0	494	-0.05	-0.050	-5	.	.	.	.	.	.
CE-701U	8	28	80	.	-0.1	.	.	.	.	.	15.0	.	457	.	.	.	.	.	.	.	.	.
CE-701U	9	30	80	.	0.2	.	.	.	.	.	17.0	.	461	.	.	.	.	.	.	.	.	.
CE-701U	10	23	80	.	-0.1	.	0.4	.	-0.01	.	8.0	.	360	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
CE-701U	11	24	80	.	-0.1	.	0.2	.	0.02	.	18.0	.	466	.	.	.	.	.	.	.	.	.
CE-702U	12	27	79	.	.	0.021	.	.	.	.	23.0	.	11	.	.	.	.	.	.	.	.	.
CE-702U	1	30	80	-0.3	.	-0.100	.	.	-0.10	.	18.0	-0.2	.	-0.01	-0.001	15	.	.	.	.	.	.
CE-702U	2	25	80	.	.	0.067	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.4	16
CE-702U	3	17	80	.	.	0.020	.	.	.	.	12.0	.	288	.	.	.	.	.	.	.	.	.
CE-702U	4	23	80	.	.	0.010	.	.	.	.	28.0	.	340	.	.	.	.	.	.	.	.	.
CE-702U	5	7	80	.	.	0.026	.	.	.	.	20.4	.	.	.	.	.	.	.	.	.	.	.
CE-702U	6	14	80	.	.	0.129	.	.	.	.	29.5	.	.	.	.	.	.	.	.	.	.	.
CE-702U	8	5	80	.	0.7	.	2.4	.	-0.01	.	27.0	5.4	354	-0.05	-0.050	213	.	.	.	.	.	4
CE-702U	8	28	80	.	-0.1	.	.	.	.	.	19.0	.	337	.	.	.	.	.	.	.	.	.
CE-702U	9	30	80	.	-0.1	.	.	.	.	.	26.0	.	329	.	.	.	.	.	.	.	.	.
CE-702U	10	23	80	.	1.0	.	0.3	.	-0.01	.	22.0	.	352	.	.	.	.	.	.	.	.	.
CE-702U	11	24	80	.	-0.1	.	0.3	.	0.02	.	20.0	.	360	.	.	.	.	.	.	.	.	.
CE-705AU	12	26	79	.	.	0.013	.	.	.	.	32.0	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	1	30	80	0.2	.	-0.100	.	.	-0.10	.	23.0	0.2	.	-0.01	-0.001	5	.	.	.	.	8.1	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
CE-705AU	2	25	80	.	.	0.045	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	3	19	80	.	.	0.009	.	.	.	.	20.5	.	288	.	.	.	.	.	.	.	.	.
CE-705AU	4	23	80	.	.	-0.010	.	.	.	.	26.0	.	332	.	.	.	.	.	.	.	.	.
CE-705AU	5	13	80	.	.	0.022	.	.	.	.	31.9	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	6	11	80	.	.	0.024	.	.	.	.	35.0	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	8	27	80	.	-0.1	.	.	.	.	.	29.0	.	479	.	.	.	.	.	.	.	.	.
CE-705AU	9	30	80	.	0.1	.	.	.	.	.	27.0	.	422	.	.	.	.	.	.	.	.	.
CE-705AU	8	1	80	.	1.1	.	0.8	.	0.01	.	38.0	5.1	478	-0.05	-0.050	314	.	.	.	.	.	4.0
CE-705AU	10	21	80	.	-0.1	.	0.4	.	0.01	.	27.0	.	419	.	.	.	.	.	.	.	.	.
CE-705AU	11	24	80	.	0.5	.	0.2	.	0.08	.	35.0	.	457	.	.	.	.	.	.	.	.	.
CE-707U	12	26	79	.	.	0.834	.	.	.	.	24.0	.	.	.	.	.	.	.	.	.	.	.
CE-707U	1	30	80	-0.3	.	-0.100	.	.	-0.10	.	19.0	-0.2	.	-0.01	-0.001	20	.	.	.	.	7.1	2.4
CE-707U	3	17	80	.	.	6.423	.	.	.	.	15.5	.	740	.	.	.	.	.	.	.	.	.
CE-707U	4	24	80	.	.	1.485	.	.	.	.	11.0	.	574	.	.	.	.	.	.	.	.	.
CE-707U	5	14	80	.	.	1.660	.	.	.	.	16.4	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
CE-707U	6	14	80	.	.	6.325	.	.	.	.	21.75	.	.	.	.	.	.	.	.	.	.	.
CE-707U	8	28	80	.	-0.1	.	.	.	.	.	11.00	.	574	.	.	.	.	.	.	.	.	.
CE-707U	9	30	80	.	0.1	.	.	.	.	.	11.00	.	548	.	.	.	.	.	.	.	.	.
CE-707U	10	23	80	.	-0.1	.	0.2	.	-0.01	.	11.00	.	541	.	.	.	.	.	.	.	.	.
CE-707U	11	25	80	.	0.1	.	3.1	.	0.01	.	10.00	.	509	.	.	.	.	.	.	.	.	.
CE-709U	12	27	79	.	.	0.385	.	.	.	.	32.00	.	.	.	.	.	.	.	.	.	.	.
CE-709U	1	30	80	-0.3	.	0.600	.	.	-0.10	.	25.00	-0.2	.	-0.01	-0.001	25	.	.	.	.	12	.
CE-709U	2	26	80	.	.	0.538	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-709U	3	17	80	.	.	0.026	.	.	.	.	26.50	.	664	.	.	.	.	.	.	.	.	.
CE-709U	4	23	80	.	.	0.060	.	.	.	.	26.50	.	658	.	.	.	.	.	.	.	.	.
CE-709U	5	14	80	.	.	0.067	.	.	.	.	30.20	613.0	.	.	.	.	.	.	.	.	.	.
CE-709U	6	14	80	.	.	0.069	.	.	.	.	29.50	.	.	.	.	.	.	.	.	.	.	.
CE-709U	8	21	80	.	-0.1	.	0.1	.	0.07	.	34.00	1.5	735	-0.05	-0.050	21	.	.	.	.	.	.
CE-709U	8	28	80	.	-0.1	.	.	.	.	.	25.00	.	697	.	.	.	.	.	.	.	.	.
CE-709U	9	30	80	.	-0.1	.	.	.	.	.	30.00	.	689	.	.	.	.	.	.	.	.	.

EPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
CE-7090	11	25	80	.	0.1	.	0.1	.	0.01	.	31.00	.	616	.	.	.	.	.	.	.	.	.
GS-M1U	7	24	80	.	2.4	.	-0.1	.	-0.01	.	34.00	3.8	300	-0.05	-0.050	61	.	.	.	.	9.0	3
GS-M1U	12	19	79	.	.	0.016	.	.	.	.	20.25	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	1	30	80	0.6	.	-0.100	.	.	-0.10	.	19.00	-0.2	.	-0.01	-0.001	5	.	.	.	.	3.7	.
GS-M1U	2	26	80	.	.	0.297	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	3	17	80	.	.	0.351	.	.	.	.	16.50	.	284	.	.	.	.	.	.	.	.	.
GS-M1U	4	23	80	.	.	0.025	.	.	.	.	27.50	.	307	.	.	.	.	.	.	.	.	.
GS-M1U	5	7	80	.	.	0.025	.	.	.	.	26.60	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	6	11	80	.	.	0.043	.	.	.	.	23.50	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	9	3	80	.	1.0	.	.	.	.	.	16.00	.	417	.	.	.	.	.	.	.	.	.
GS-M1U	9	30	80	.	0.5	.	.	.	.	.	14.00	.	327	.	.	.	.	.	.	.	.	.
GS-M1U	10	21	80	.	0.4	.	1.3	.	-0.01	.	16.00	.	319	.	.	.	.	.	.	.	.	.
GS-M1U	11	24	80	.	-0.1	.	0.1	.	0.01	.	10.00	.	304	.	.	.	.	.	.	.	.	.
GS-M10U	5	8	80	0.3	.	-0.100	.	.	-0.10	.	22.00	-0.2	.	-0.01	-0.001	-1	.	.	.	.	2.6	.
GS-M10U	8	7	80	.	2.8	.	1.1	.	-0.01	.	30.00	5.0	544	-0.05	-0.050	237	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-M110	5	8	80	0.3	.	1.300	.	.	-0.10	.	17.00	-0.2	.	-0.01	-0.001	-1.0	.	.	.	.	5.4	.
GS-M110	8	7	80	.	1.0	.	1.2	.	-0.01	.	21.00	5.7	595	-0.05	-0.050	57.0	.	.	.	.	2.0	6.0
GS-M120	5	8	80	-0.3	.	-0.100	.	.	-0.10	.	34.00	-0.2	.	-0.01	-0.001	5.4	.	.	.	.	2.5	0.7
GS-M120	8	7	80	.	2.1	.	1.2	.	-0.01	.	40.00	5.3	505	-0.05	-0.050	142.0	.	.	.	.	.	1.0
GS-M20	2	3	80	6.2	.	-0.100	.	.	-0.10	.	2.80	-0.2	.	-0.01	-0.001	15.0	.	.	.	.	5.9	12.0
GS-M20	5	7	80	.	.	0.056	.	.	.	.	2.90	.	.	.	.	.	.	.	.	.	.	.
GS-M20	7	24	80	.	5.0	.	-0.1	.	-0.01	.	-0.50	1.4	415	-0.05	-0.050	7.0	.	.	.	.	.	6.0
GS-M20	10	21	80	.	-0.1	.	1.9	.	0.04	.	-0.50	.	507	.	.	.	.	.	.	.	.	.
GS-M20	11	24	80	.	-0.1	.	3.2	.	0.01	.	-0.50	.	510	.	.	.	.	.	.	.	.	.
GS-M30	2	3	80	0.3	.	-0.100	.	.	-0.10	.	1.00	-0.2	.	-0.01	-0.001	5.0	.	.	.	.	4.8	.
GS-M30	5	13	80	.	.	0.010	.	.	.	.	1.60	.	.	.	.	.	.	.	.	.	.	.
GS-M30	7	24	80	.	5.0	.	-0.1	.	0.07	.	-0.50	3.8	220	-0.05	-0.050	7.0	.	.	.	.	2.0	6.0
GS-M30	11	24	80	.	-0.1	.	0.9	.	0.05	.	-0.50	.	219	.	.	.	.	.	.	.	.	.
GS-M40	12	19	79	.	.	.	.	.	.	.	11.25	.	.	.	.	.	.	.	.	.	.	.
GS-M40	1	30	80	0.8	.	-0.100	.	.	-0.10	.	28.00	-0.2	.	-0.01	-0.001	20.0	.	.	.	.	6.3	17.0

KPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-M4U	2	26	80	.	.	0.122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M4U	3	17	80	.	.	0.570	.	.	.	.	5.00	.	328	.	.	.	.	.	.	.	.	.
GS-M4U	4	23	80	.	.	0.024	.	.	.	.	34.50	.	762	.	.	.	.	.	.	.	.	.
GS-M4U	5	7	80	.	.	0.063	.	.	.	.	39.50	.	.	.	.	.	.	.	.	.	.	.
GS-M4U	6	11	80	.	.	0.035	.	.	.	.	21.50	.	.	.	.	.	.	.	.	.	.	.
GS-M4U	7	24	80	.	6.6	.	-0.1	.	-0.01	.	44.00	5.0	626	-0.05	-0.050	26.0	.	.	.	.	.	6
GS-M4U	8	27	80	.	-0.1	.	.	.	.	.	30.00	.	776	.	.	.	.	.	.	.	.	.
GS-M4U	9	30	80	.	0.3	.	.	.	.	.	36.00	.	843	.	.	.	.	.	.	.	.	.
GS-M4U	11	24	80	.	-0.1	.	0.1	.	0.05	.	31.00	.	758	.	.	.	.	.	.	.	.	.
GS-M6U	5	10	80	0.84	.	-0.100	.	.	-0.10	.	27.00	-0.1	.	-0.01	-0.001	-1.0	.	.	.	.	2.2	.
GS-M8U	4	30	80	0.30	.	-0.100	.	.	-0.10	.	18.00	-0.2	.	-0.01	-0.001	5.2	.	.	.	.	48.0	.
GS-100	1	30	80	1.10	.	-0.100	.	.	-0.10	.	32.00	0.2	.	-0.01	-0.001	5.0	.	.	.	.	7.0	.
GS-100	2	25	80	.	.	0.040	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	3	19	80	.	.	0.032	.	.	.	.	26.25	.	808	.	.	.	.	.	.	.	.	.
GS-100	4	23	80	.	.	0.025	.	.	.	.	43.50	.	795	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-10U	5	14	80	.	.	0.148	.	.	.	.	45.9	.	.	.	.	.	.	.	.	.	.	.
GS-10U	6	11	80	.	.	0.022	.	.	.	.	46.0	.	.	.	.	.	.	.	.	.	.	.
GS-10U	8	1	80	.	0.9	.	1.6	.	-0.01	.	53.0	12.2	819	-0.05	-0.050	161	.	.	.	.	.	4
GS-10U	8	27	80	.	1.7	.	.	.	.	.	35.0	.	777	.	.	.	.	.	.	.	.	.
GS-10U	9	16	80	.	0.3	.	0.2	.	-0.01	.	50.0	3.5	859	-0.05	-0.050	43	.	.	.	.	.	.
GS-10U	10	21	80	.	0.1	.	0.4	.	-0.01	.	43.0	.	830	.	.	.	.	.	.	.	.	.
GS-10U	11	24	80	.	0.2	.	0.3	.	0.02	.	41.0	.	795	.	.	.	.	.	.	.	.	.
GS-12U	9	16	80	.	-0.1	.	0.5	.	0.09	.	39.0	8.3	507	-0.05	0.070	25	.	.	.	.	.	.
GS-13U	9	16	80	.	-0.1	.	0.2	.	-0.01	.	46.0	1.9	711	-0.05	0.090	19	.	.	.	.	.	.
GS-15U	1	30	80	0.3	.	-0.100	.	.	-0.10	.	26.0	0.2	.	-0.01	0.001	10	.	.	.	.	5.1	26
GS-15U	2	25	80	.	.	0.060	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-15U	3	17	80	.	.	0.094	.	.	.	.	32.0	.	896	.	.	.	.	.	.	.	.	.
GS-15U	4	23	80	.	.	0.030	.	.	.	.	35.5	.	976	.	.	.	.	.	.	.	.	.
GS-15U	5	13	80	.	.	-0.010	.	.	.	.	31.2	.	.	.	.	.	.	.	.	.	.	.
GS-15U	6	11	80	.	.	0.013	.	.	.	.	37.0	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-15U	8	27	80	.	-0.1	.	.	.	.	.	23.0	.	893.00	.	.	.	.	.	.	.	.	.
GS-15U	8	5	80	.	0.8	.	1.5	.	-0.01	.	27.0	5.0	856.00	-0.05	-0.05	120	.	.	.	.	.	.
GS-15U	9	16	80	.	0.4	.	0.2	.	-0.01	.	30.0	1.4	898.00	-0.05	0.56	23	.	.	.	.	.	.
GS-15U	10	21	80	.	-0.1	.	0.4	.	-0.01	.	27.0	.	989.00	.	.	.	.	.	.	.	.	.
GS-15U	11	24	80	.	0.2	.	0.2	.	0.01	.	25.0	.	744.00	.	.	.	.	.	.	.	.	.
GS-19U	8	1	80	.	-0.1	.	.	.	.	.	7.0	.	57.55	.	.	.	.	.	.	.	.	.
GS-19U	9	16	80	.	-0.1	.	0.5	.	-0.01	.	12.0	1.0	49.17	-0.05	0.13	6	.	.	.	.	.	.
GS-9U	12	27	79	.	.	0.061	.	.	.	.	32.0	.	.	.	.	.	.	.	.	.	.	.
GS-9U	2	26	80	.	.	0.166	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	3	19	80	.	.	0.021	.	.	.	.	21.5	.	532.00	.	.	.	.	.	.	.	.	.
GS-9U	4	23	80	.	.	0.030	.	.	.	.	36.5	.	549.00	.	.	.	.	.	.	.	.	.
GS-9U	5	14	80	.	.	0.024	.	.	.	.	37.8	.	.	.	.	.	.	.	.	.	.	.
GS-9U	6	11	80	.	.	0.041	.	.	.	.	40.5	.	.	.	.	.	.	.	.	.	.	.
GS-9U	8	28	80	.	0.1	.	.	.	.	.	24.0	.	504.00	.	.	.	.	.	.	.	.	.
GS-9U	9	30	80	.	0.1	.	.	.	.	.	29.0	.	539.00	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
GS-9U	10	23	80	.	-0.1	.	0.1	.	-0.01	.	31.0	.	532	.	.	.	.	.	.	.	.	.
GS-9U	11	24	80	.	0.7	.	0.1	.	0.02	.	30.0	.	493	.	.	.	.	.	.	.	.	.
TO-3U	1	30	80	0.6	.	-0.100	.	.	0.20	.	12.0	-0.2	.	-0.01	-0.001	20	.	.	.	.	8.4	8.2
TO-3U	5	13	80	.	.	0.199	.	.	.	.	16.6	.	.	.	.	.	.	.	.	.	.	.

N=139

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
AM-2AU	2	6	80	0.3	-0.01	-0.01	-0.01	.	-0.050	-0.01	-0.001	-0.01	0.08	.	.	.	-0.01	.	-0.1	.	.	1.10	.
AM-3U	8	1	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.300	-0.10	-0.300	-0.01	-0.01	0.06	-0.1	.	-0.05	0.11	-0.2	-0.01	-0.1	3.86	-0.5
AM-3U	10	21	80	.	.	.	.	.	0.170	.	.	.	.	.	.	.	.	.	.	.	.	.	.
AM-3U	11	24	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	12	26	79	.	.	.	.	.	0.540	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	1	30	80	0.2	-0.01	-0.01	-0.01	.	0.070	0.03	-0.001	-0.01	0.04	.	.	.	-0.01	.	-0.1	.	.	0.95	.
CE-701U	2	25	80	.	.	.	.	.	0.020	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	3	17	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	4	24	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	5	7	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	6	14	80	.	.	.	.	.	0.020	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	7	15	80	-0.1	-0.01	-0.01	-0.01	-0.01	3.240	-0.10	-0.300	-0.01	0.01	0.32	-0.1	.	-0.05	0.11	-0.2	-0.01	-0.1	2.10	-0.5
CE-701U	8	28	80	.	.	.	.	.	5.470	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	9	30	80	.	.	.	.	.	0.110	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
CE-701U	10	23	80	.	.	.	.	.	0.060	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-701U	11	24	80	.	.	.	.	.	3.980	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	12	27	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	1	30	80	0.3	-0.01	-0.01	-0.01	.	-0.050	0.02	-0.001	-0.01	0.38	.	.	.	-0.01	.	-0.1	.	.	1.70	.
CE-702U	2	25	80	.	.	.	.	.	0.140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	3	17	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	4	23	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	5	7	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	6	14	80	.	.	.	.	.	0.020	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	8	5	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.310	-0.10	-0.300	-0.01	-0.01	-0.01	-0.1	.	-0.05	0.18	-0.2	-0.01	-0.1	3.44	-0.5
CE-702U	8	28	80	.	.	.	.	.	0.180	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	10	23	80	.	.	.	.	.	0.080	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702U	11	24	80	.	.	.	.	.	0.090	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
CE-705AU	12	26	79	.	.	.	.	.	1.230	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	1	30	80	0.5	-0.01	-0.01	-0.01	.	0.080	0.03	-0.001	-0.01	0.03	.	.	.	-0.01	.	-0.1	.	.	1.30	.
CE-705AU	2	25	80	.	.	.	.	.	0.590	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	3	19	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	4	23	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	5	13	80	.	.	.	.	.	0.090	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	6	11	80	.	.	.	.	.	0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	8	27	80	.	.	.	.	.	1.440	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	8	1	80	-0.1	-0.01	-0.01	-0.01	-0.01	1.710	-0.10	-0.300	-0.01	-0.01	0.14	-0.1	.	-0.05	0.12	-0.2	-0.01	-0.1	2.85	-0.5
CE-705AU	10	21	80	.	.	.	.	.	0.750	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-705AU	11	24	80	.	.	.	.	.	1.020	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-707U	12	26	79	.	.	.	.	.	1.340	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-707U	1	30	80	0.2	-0.01	-0.01	-0.01	.	0.230	0.02	-0.001	-0.01	0.04	.	.	.	0.02	.	-0.1	.	.	0.88	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SI	V
CE-7070	3	17	80	.	.	.	.	.	0.21	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	4	24	80	.	.	.	.	.	0.33	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	5	14	80	.	.	.	.	.	0.14	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	6	14	80	.	.	.	.	.	0.27	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	8	28	80	.	.	.	.	.	10.50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	9	30	80	.	.	.	.	.	-0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	10	23	80	.	.	.	.	.	1.45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7070	11	25	80	.	.	.	.	.	0.07	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	12	27	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	1	30	80	0.3	-0.01	-0.01	-0.01	.	-0.05	0.04	-0.001	-0.01	0.1	.	.	.	-0.01	.	-0.1	.	.	1.3	.
CE-7090	2	26	80	.	.	.	.	.	0.03	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	3	17	80	.	.	.	.	.	0.38	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	4	23	80	.	.	.	.	.	0.12	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	5	14	80	.	.	.	.	.	0.11	.	.	.	.	.	.	.	.	.	.	.	.	.	.

UPPER AQUIFER TRACE ELEMENT DATA

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SB	V
CE-7090	6	14	80	.	.	.	.	.	0.130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	8	21	80	-0.1	0.01	-0.01	-0.01	-0.01	0.490	-0.10	-0.300	-0.01	0.05	0.04	-0.1	.	-0.05	0.12	-0.2	-0.01	0.4	3.16	-0.5
CE-7090	8	28	80	.	.	.	.	.	0.170	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-7090	11	25	80	.	.	.	.	.	0.860	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	7	24	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.820	-0.10	-0.300	-0.01	0.02	0.22	-0.1	.	-0.05	0.07	-0.2	-0.01	-0.1	2.60	-0.5
GS-M1U	12	19	79	.	.	.	.	.	0.110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	1	30	80	0.2	-0.01	-0.01	-0.01	.	0.050	0.04	-0.001	-0.01	0.05	.	.	.	-0.01	.	-0.1	.	.	1.10	.
GS-M1U	2	26	80	.	.	.	.	.	0.040	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	3	17	80	.	.	.	.	.	0.010	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	4	23	80	.	.	.	.	.	0.080	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	5	7	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	6	11	80	.	.	.	.	.	0.070	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	9	3	80	.	.	.	.	.	0.100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
GS-M1U	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	10	21	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M1U	11	24	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M10U	5	8	80	.	-0.01	-0.01	-0.01	.	-0.050	0.04	-0.001	-0.01	0.05	.	.	.	.	.	-0.1	.	.	1.10	.
GS-M10U	8	7	80	-0.1	0.01	-0.01	-0.01	-0.01	1.560	-0.10	-0.300	-0.01	-0.01	-0.01	-0.1	.	-0.05	0.08	-0.2	-0.01	-0.1	3.28	-0.5
GS-M11U	5	8	80	.	-0.01	-0.01	-0.01	.	-0.050	0.04	-0.001	-0.01	0.05	.	.	.	.	.	-0.1	.	.	0.90	.
GS-M11U	8	7	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.860	-0.10	-0.300	-0.01	0.01	-0.01	-0.1	.	-0.05	-0.01	-0.2	-0.01	-0.1	1.84	-0.5
GS-M12U	5	8	80	.	0.04	-0.01	-0.01	.	-0.050	0.05	-0.001	-0.01	0.06	.	.	.	.	.	-0.1	.	.	1.50	.
GS-M12U	8	7	80	-0.1	0.03	-0.01	-0.01	-0.01	0.170	-0.10	-0.300	-0.01	-0.01	-0.01	-0.1	.	-0.05	0.11	-0.2	-0.01	-0.1	4.21	-0.5
GS-M2U	2	3	80	0.2	-0.01	-0.01	-0.01	.	-0.030	-0.01	-0.001	-0.01	0.03	.	.	.	-0.01	.	-0.1	.	.	0.23	.
GS-M2U	5	7	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M2U	7	24	80	-0.1	-0.01	-0.01	-0.01	-0.01	-0.050	-0.10	-0.300	-0.01	-0.01	0.04	-0.1	.	-0.05	0.10	-0.2	-0.01	-0.1	-0.01	-0.5
GS-M2U	10	21	80	.	.	.	.	.	0.080	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M2U	11	24	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
GS-M30	2	3	80	0.5	-0.01	-0.01	-0.01	.	-0.050	0.02	-0.001	-0.01	0.05	.	.	.	-0.01	.	-0.1	.	.	0.98	.
GS-M30	5	13	80	.	.	.	.	.	0.040	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M30	7	24	80	-0.1	-0.01	-0.01	-0.01	-0.01	-0.050	-0.10	-0.300	-0.01	-0.01	-0.01	-0.1	.	-0.05	0.11	-0.2	-0.01	-0.1	1.71	-0.5
GS-M30	11	24	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	12	19	79	.	.	.	.	.	0.560	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	1	30	80	0.3	-0.01	-0.01	-0.01	.	0.110	0.01	-0.001	-0.01	0.04	.	.	.	-0.01	.	-0.1	.	.	1.40	.
GS-M40	2	26	80	.	.	.	.	.	0.090	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	3	17	80	.	.	.	.	.	0.270	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	4	23	80	.	.	.	.	.	0.200	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	5	7	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	6	11	80	.	.	.	.	.	0.040	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	7	24	80	-0.1	-0.01	-0.01	-0.01	-0.01	2.780	-0.10	-0.300	-0.01	0.02	0.10	-0.1	.	-0.05	0.18	-0.2	-0.01	-0.1	3.61	-0.5
GS-M40	8	27	80	.	.	.	.	.	1.680	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M40	9	30	80	.	.	.	.	.	-0.050	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
GS-M4U	11	24	80	.	.	.	.	.	0.40	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-M6U	5	10	80	.	-0.01	-0.01	-0.01	.	0.05	-0.01	-0.001	-0.01	0.080	.	.	.	.	.	-0.1	.	.	0.20	.
GS-M8U	4	30	80	-0.1	-0.01	-0.01	-0.01	.	1.30	0.02	-0.001	-0.01	0.400	.	.	.	.	.	-0.1	.	.	1.80	.
GS-100	1	30	80	0.4	-0.01	-0.01	-0.01	.	0.14	0.05	-0.001	-0.01	0.007	.	.	.	0.01	.	-0.1	.	.	1.20	.
GS-100	2	25	80	.	.	.	.	.	1.40	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	3	19	80	.	.	.	.	.	0.02	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	4	23	80	.	.	.	.	.	0.09	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	5	14	80	.	.	.	.	.	0.25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	6	11	80	.	.	.	.	.	0.28	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	8	1	80	-0.1	-0.01	-0.01	-0.01	-0.01	15.70	-0.10	-0.300	-0.01	0.010	0.32	-0.1	.	-0.05	0.20	-0.2	-0.01	-0.1	2.22	-0.5
GS-100	8	27	80	.	.	.	.	.	11.30	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	9	16	80	-0.1	0.01	-0.01	-0.01	-0.01	12.90	-0.10	5.000	-0.01	0.020	0.18	-0.1	.	-0.05	0.21	-0.2	-0.01	-0.1	2.60	-0.5
GS-100	10	21	80	.	.	.	.	.	3.94	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-100	11	24	80	.	.	.	.	.	6.60	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

UPPER AQUIFER TRACE ELEMENT DATA

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SB	V
GS-120	9	16	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.32	-0.10	1.000	-0.01	0.04	0.09	-0.1	.	-0.05	0.25	-0.2	-0.01	-0.1	2.74	-0.5
GS-130	9	16	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.26	-0.10	-0.300	-0.01	-0.01	-0.01	-0.1	.	-0.05	0.25	-0.2	-0.01	-0.1	3.30	-0.5
GS-150	1	30	80	0.2	-0.01	-0.01	-0.01	.	0.13	0.02	-0.001	-0.01	0.07	.	.	.	-0.01	.	-0.1	.	.	1.60	.
GS-150	2	25	80	.	.	.	.	.	0.46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	3	17	80	.	.	.	.	.	0.19	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	4	23	80	.	.	.	.	.	0.03	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	5	13	80	.	.	.	.	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	6	11	80	.	.	.	.	.	0.06	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	8	27	80	.	.	.	.	.	6.90	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	8	5	80	-0.1	-0.01	-0.01	-0.01	-0.01	3.33	-0.10	-0.300	-0.01	0.01	0.32	-0.1	.	-0.05	0.32	-0.2	-0.01	-0.1	4.32	-0.5
GS-150	9	16	80	-0.1	-0.01	-0.01	-0.01	-0.01	9.20	-0.10	1.000	-0.01	-0.01	0.36	-0.1	.	-0.05	0.36	-0.2	-0.01	-0.1	5.06	-0.5
GS-150	10	21	80	.	.	.	.	.	0.84	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-150	11	24	80	.	.	.	.	.	1.44	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-190	8	1	80	.	.	.	.	.	0.12	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SR	V
GS-19U	9	16	80	-0.1	-0.01	-0.01	-0.01	-0.01	0.590	-0.10	1.000	-0.01	0.01	0.01	-0.1	.	-0.05	0.18	-0.2	-0.01	-0.1	0.11	-0.5
GS-9U	12	27	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	2	26	80	.	.	.	.	.	0.350	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	3	19	80	.	.	.	.	.	0.340	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	4	23	80	.	.	.	.	.	-0.005	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	5	14	80	.	.	.	.	.	0.270	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	6	11	80	.	.	.	.	.	0.180	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	8	28	80	.	.	.	.	.	5.460	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	9	30	80	.	.	.	.	.	2.650	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	10	23	80	.	.	.	.	.	0.890	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-9U	11	24	80	.	.	.	.	.	4.510	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TO-3U	1	30	80	0.3	-0.01	-0.01	-0.01	.	-0.050	0.01	-0.001	-0.01	0.04	.	.	.	-0.01	.	-0.1	.	.	1.40	.
TO-3U	5	13	80	.	.	.	.	.	0.020	.	.	.	.	.	.	.	.	.	.	.	.	.	.

N=139

RPTYR=80

STA	MO	DAY	YR	DEPTH	TEMP	SP-COND	PH	ALK	HCO3	CO3	CA	MG	NA	K	CL	SO4	F	AS	B	MOLV	SE	HG	DC	TDS
CB-702L	2	25	80	40.4	11.2	1475	7.20	.	.	.	.	.	140	1.25	.	.	.	.	.	. .	.	.	.	.
CE-702L	5	7	80	37.0	16.0	1800	8.60	798	889	42.00	11.00	6.7	440	2.30	21.00	151.0	32.00	-0.01	1.10	. .	-0.01	-0.001	11	1150
CE-702L	8	1	80	.	12.0	1920	8.20	914	1077	-1.00	12.10	15.4	495	0.65	33.30	200.0	8.17	.	1.36	. .	.	.	.	1396
CE-709L	5	15	80	163.6	12.0	1800	8.40	2030	2190	144.00	20.00	25.0	950	4.00	32.00	56.0	12.00	-0.01	1.60	. .	-0.01	-0.001	15	3640
CE-709L	8	7	80	.	17.5	2000	8.35	980	1165	-1.00	23.00	26.6	434	0.75	13.60	149.0	9.61	.	0.96	. .	.	.	28	1244
GS-15L	1	30	80	372.8	12.8	2225	9.00	981	1010	90.00	6.70	68.0	450	5.00	33.00	260.0	20.00	.	.	. .	.	.	.	.
GS-15L	5	13	80	370.9	15.0	3200	8.00	1730	1860	-0.01	15.00	22.0	940	4.50	64.00	162.0	53.00	-0.01	2.00	. .	-0.01	-0.001	21	2320
GS-15L	8	1	80	.	17.5	4000	8.30	1968	2326	-1.00	5.53	32.5	921	2.13	112.00	177.0	55.20	.	1.79	. .	.	.	.	2500
GS-15L	10	21	80	.	13.2	4200	8.20	2470	2931	-1.00	2.74	21.8	1200	1.88	71.50	85.6	5.31	.	2.24	. .	.	.	39	3020
GS-15L	11	24	80	.	14.0	1690	9.50	626	465	13.40	3.10	60.0	340	2.30	9.95	524.0	0.45	.	0.35	. .	.	.	5	1136
GS-17L	5	13	80	372.8	17.0	2300	8.40	1052	1130	78.00	9.80	23.0	533	3.70	53.00	104.0	17.00	-0.01	3.40	. .	-0.01	0.001	12	1450
GS-17L	7	15	80	.	19.0	2400	8.50	1312	1486	2.67	3.90	19.0	632	2.30	60.40	141.0	1.96	.	1.36	. .	.	.	.	1660
GS-18L	7	16	80	.	-61.6	3900	8.30	2463	2850	-1.00	2.08	7.0	1098	2.40	52.00	85.6	2.76	.	1.02	. .	.	.	.	2824

N=13

RPTYR=80

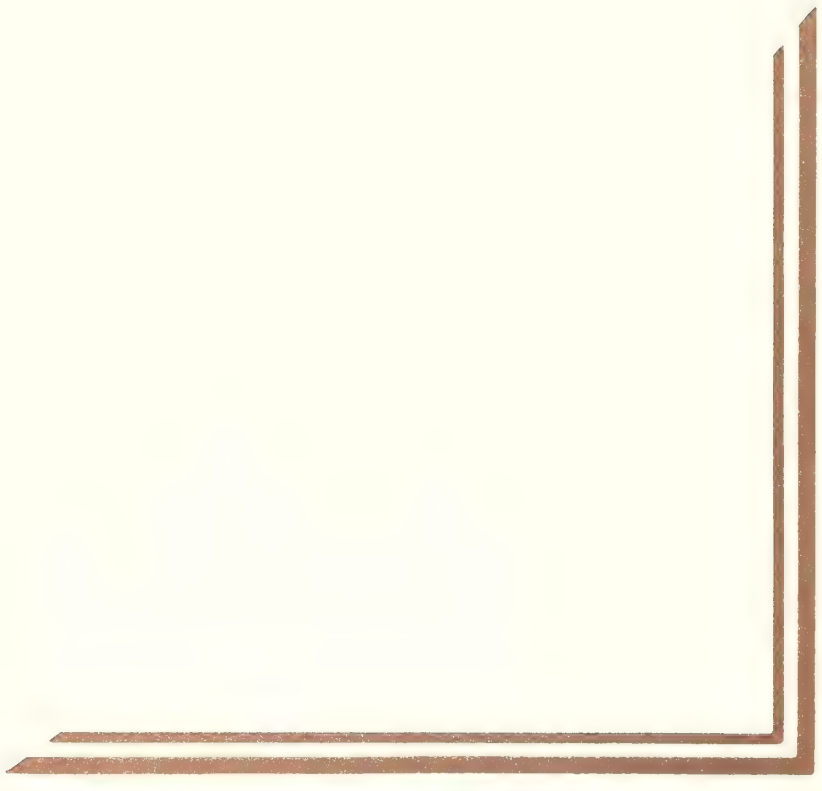
STA	MO	DAY	YR	NH3	NO2	NO3	NH3N	KJELN	PO4	ORTHOP	SIO2	SH	HARD	CYN	PHENOL	COD	MBAS	TCOLI	FCOLI	O_G	ALPHA	BETA
CE-702L	2	25	80	.	.	2.34	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702L	5	7	80	-0.3	.	-0.10	.	.	-0.10	.	10.0	-0.2	.	-0.01	-0.001	11	.	.	.	.	2	.
CE-702L	8	1	80	.	-0.1	.	.	.	.	.	14.0	.	93.60	.	.	.	.	.	.	.	.	.
CE-709L	5	15	80	-0.3	.	-0.10	.	.	-0.10	.	12.0	0.2	.	-0.01	-0.001	11	.	.	.	.	.	.
CE-709L	8	7	80	.	2.5	.	.	.	.	.	10.0	.	167.00	.	.	.	.	.	.	.	.	.
GS-15L	1	30	80	.	.	.	.	.	.	.	3.4	.	.	.	.	.	.	.	.	.	.	.
GS-15L	5	13	80	1.7	.	-0.10	.	.	-0.10	.	6.4	0.2	.	-0.01	-0.001	11	.	.	.	.	.	.
GS-15L	8	1	80	.	-0.1	.	.	.	.	.	6.0	.	148.00	.	.	.	.	.	.	.	.	.
GS-15L	10	21	80	.	-0.1	.	1.8	.	0.01	.	9.0	.	96.57	.	.	.	.	.	.	.	.	.
GS-15L	11	24	80	.	-0.1	.	0.2	.	0.04	.	-0.5	.	255.00	.	.	.	.	.	.	.	.	.
GS-17L	5	13	80	4.5	.	-0.10	.	.	-0.10	.	5.8	0.2	.	-0.01	-0.001	48	.	.	.	.	7	.
GS-17L	7	15	80	.	0.2	.	.	.	.	.	-0.5	.	87.94	.	.	.	.	.	.	.	.	.
GS-18L	7	16	80	.	0.4	.	.	.	.	.	10.0	.	34.01	.	.	.	.	.	.	.	.	.

N=13

RPTYR=80

STA	MO	DAY	YR	AL	AS	CD	CR	CU	FE	PB	HG	SE	ZN	MN	BA	AG	NI	LI	BR	BE	MOL	SB	V
CE-702L	2	25	80	.	.	.	.	.	0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-702L	5	7	80	.	-0.01	-0.01	-0.01	.	0.16	0.05	-0.001	-0.01	0.05	.	.	.	.	.	-0.1	.	.	0.9	.
CE-702L	8	1	80	.	.	.	.	.	0.27	.	.	.	.	.	.	.	.	.	.	.	.	.	.
CE-709L	5	15	80	-0.1	-0.01	-0.01	-0.01	.	0.43	0.02	-0.001	-0.01	0.08	.	.	.	.	.	-0.1	.	.	0.7	.
CE-709L	8	7	80	.	.	.	.	.	0.20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-15L	1	30	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-15L	5	13	80	0.2	-0.01	-0.01	-0.01	.	0.18	0.02	-0.001	-0.01	0.06	.	.	.	.	.	-0.1	.	.	0.1	.
GS-15L	8	1	80	.	.	.	.	.	0.13	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-15L	10	21	80	.	.	.	.	.	0.06	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-15L	11	24	80	.	.	.	.	.	-0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-17L	5	13	80	0.2	-0.01	-0.01	-0.01	.	0.50	0.03	0.001	-0.01	0.07	.	.	.	.	.	-0.1	.	.	0.2	.
GS-17L	7	15	80	.	.	.	.	.	0.13	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GS-18L	7	16	80	.	.	.	.	.	0.41	.	.	.	.	.	.	.	.	.	.	.	.	.	.

N=13



APPENDIX 5-3

Development Activities Monitoring Data

APPENDIX 5-3.1

Development Activities Monitoring Data
1980 Report Year Physical Data

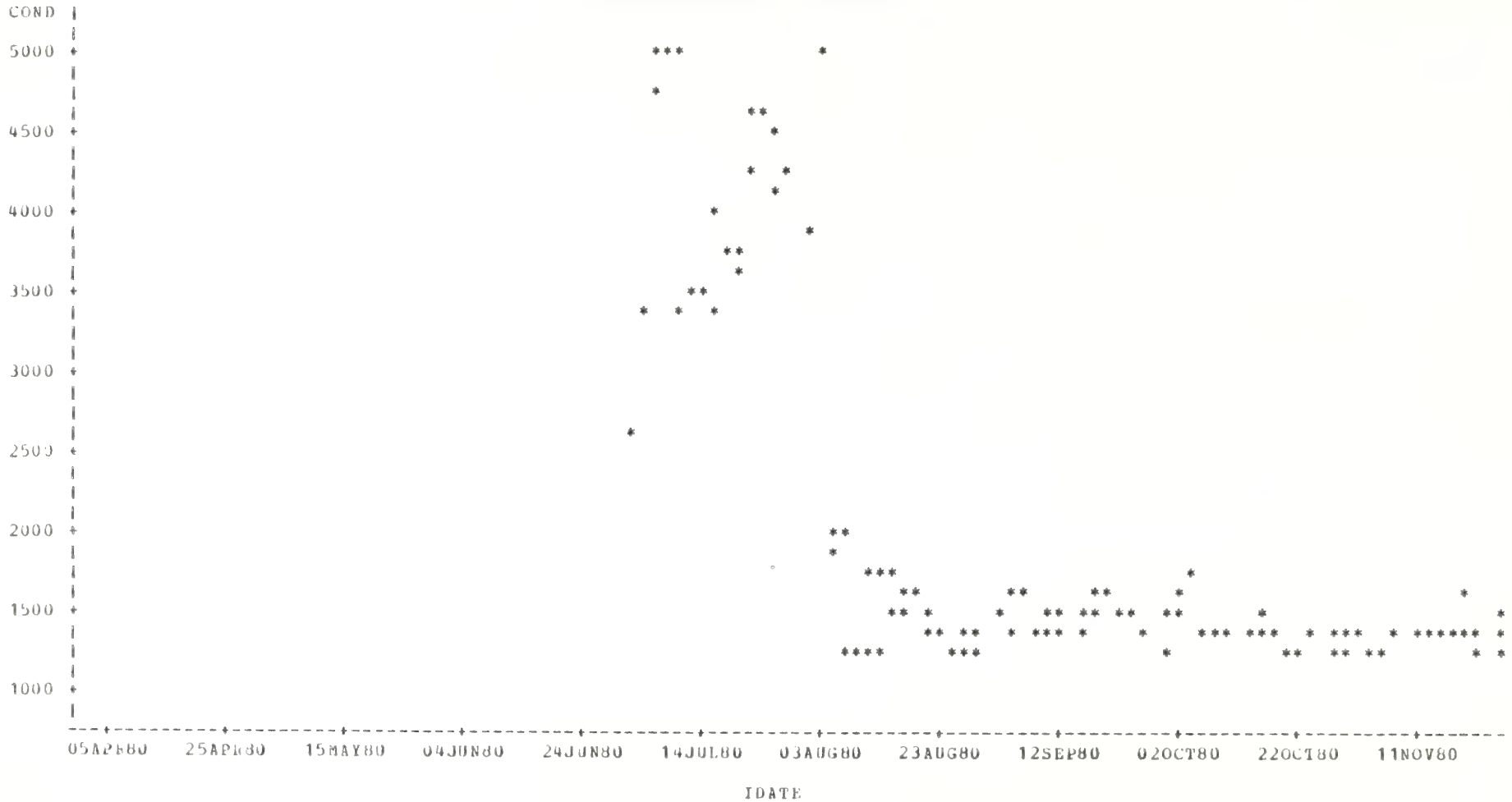
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING

SIA	MO	DAY	YR	Q	TEMP	COND	PH
Y24RDN	9	15	80	0.50	18.0	1850	8.0
Y24RDN	9	23	80	0.50	10.0	1850	8.0
YJEFPOND	10	31	80	.	16.1	1350	8.0
YJEFPOND	11	7	80	.	15.8	1375	8.0
YJEFPOND	11	14	80	.	11.5	1375	8.1
YJEFPOND	11	18	80	.	12.0	1400	8.0
YJEFPOND	11	26	80	.	13.5	1450	8.1
YSWPOND-5	11	10	80	1.50	8.8	1400	8.0
YSWPOND-5	11	14	80	3.21	5.5	1450	8.4
YSWPOND-5	11	18	80	1.20	4.5	1200	8.1
YSWPOND-5	11	26	80	0.66	4.0	1350	8.0
YSWPOND-6	11	7	80	1.29	10.2	1400	8.1
YSWPOND-6	11	14	80	0.77	6.0	1425	8.9
YSWPOND-6	11	18	80	2.40	5.0	1500	8.0
YSWPOND-6	11	26	80	2.47	5.5	1325	8.0
YSWPOND-7	11	7	80	0.40	12.5	1500	8.1
YSWPOND-7	11	14	80	2.33	2.5	1250	8.2
YSWPOND-7	11	18	80	2.34	4.5	1500	8.0
YSWPOND-7	11	26	80	2.30	4.5	1300	7.9
YPZPOND1	3	31	80	20.80	6.6	700	7.7
YPZPOND1	4	8	80	7.30	3.3	500	7.7
YPZPOND1	4	14	80	5.10	3.5	370	7.8
YPZPOND1	4	15	80	0.00	.	210	7.6
YPZPOND1	4	22	80	16.90	8.0	480	7.9
YPZPOND1	5	1	80	19.95	8.5	505	7.8
YPZPOND1	5	8	80	21.80	9.0	500	7.5
YPZPOND1	5	21	80	21.10	9.5	550	7.5
YPZPOND1	5	28	80	22.80	10.0	550	.
YPZPOND4	3	31	80	14.00	6.7	1300	.
YPZPOND4	4	8	80	9.00	3.3	1200	7.2
YPZPOND4	4	14	80	8.30	6.5	1000	7.2
YPZPOND4	4	22	80	7.90	6.0	1025	7.3
YPZPOND4	5	1	80	10.15	6.0	910	7.2
YPZPOND4	5	8	80	11.90	8.0	1000	7.4
YPZPOND4	5	21	80	10.30	9.2	1300	7.3
YPZPOND4	5	23	80	11.00	7.0	1525	7.4
YPZPOND4	5	28	80	15.60	8.9	1400	.
Y24RDN	4	4	79	5.76	8.0	2250	7.5
Y24RDN	4	5	79	5.28	14.5	2170	7.4
Y24RDN	4	6	79	4.80	10.0	2200	8.0

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING

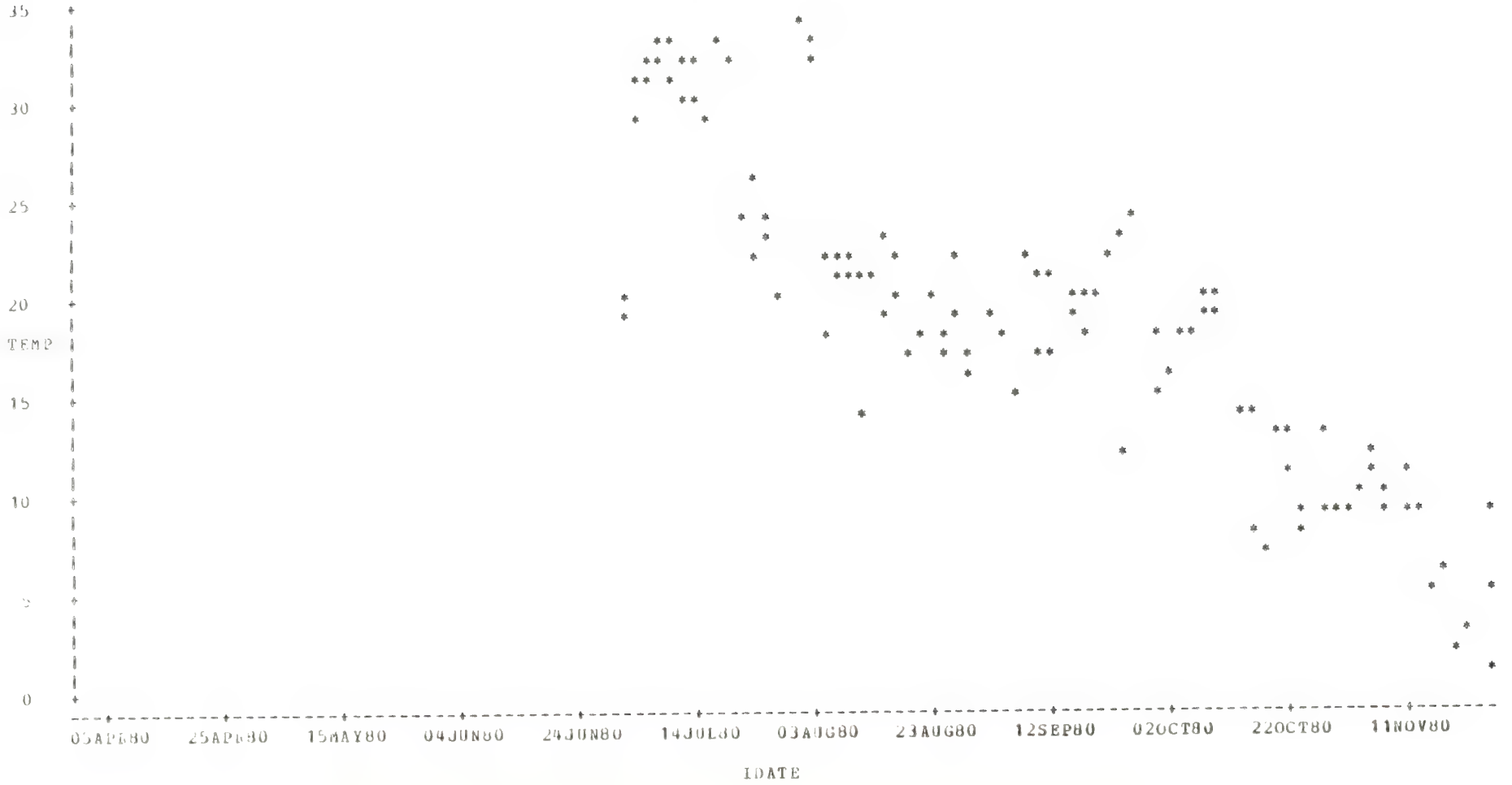
STA	MO	DAY	YR	Q	TEMP	COND	PH
Y24EDN	4	13	79	5.28	5	2200	7.6
Y24RDN	4	26	79	5.52	9	2450	7.4

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YWROPOND EPTYR=80

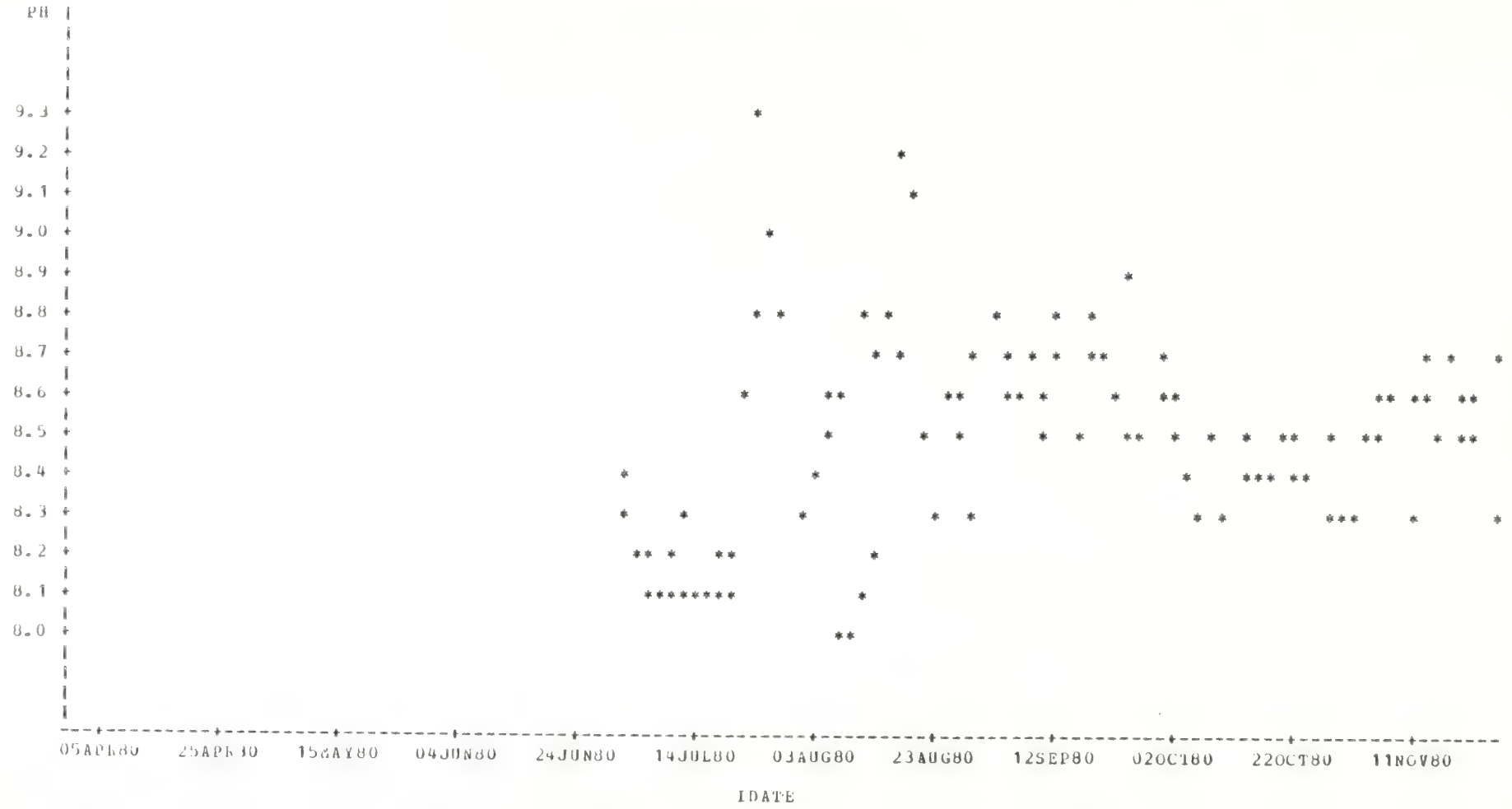


NOTE: 1 OBS HAD MISSING VALUES 22 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YWROPOND RPTYR=80

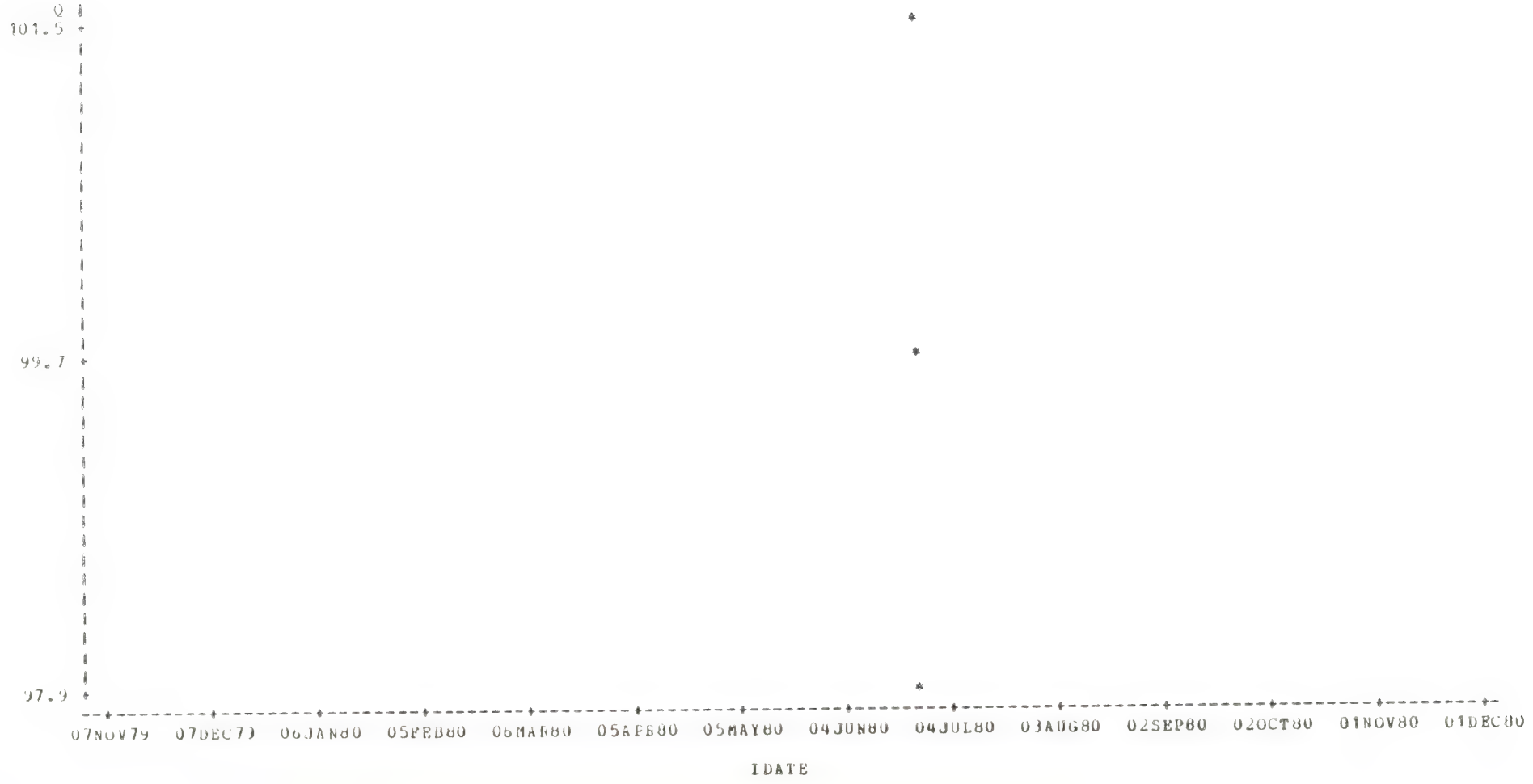


NOTE: 3 OBS HAD MISSING VALUES 13 OBS HIDDEN



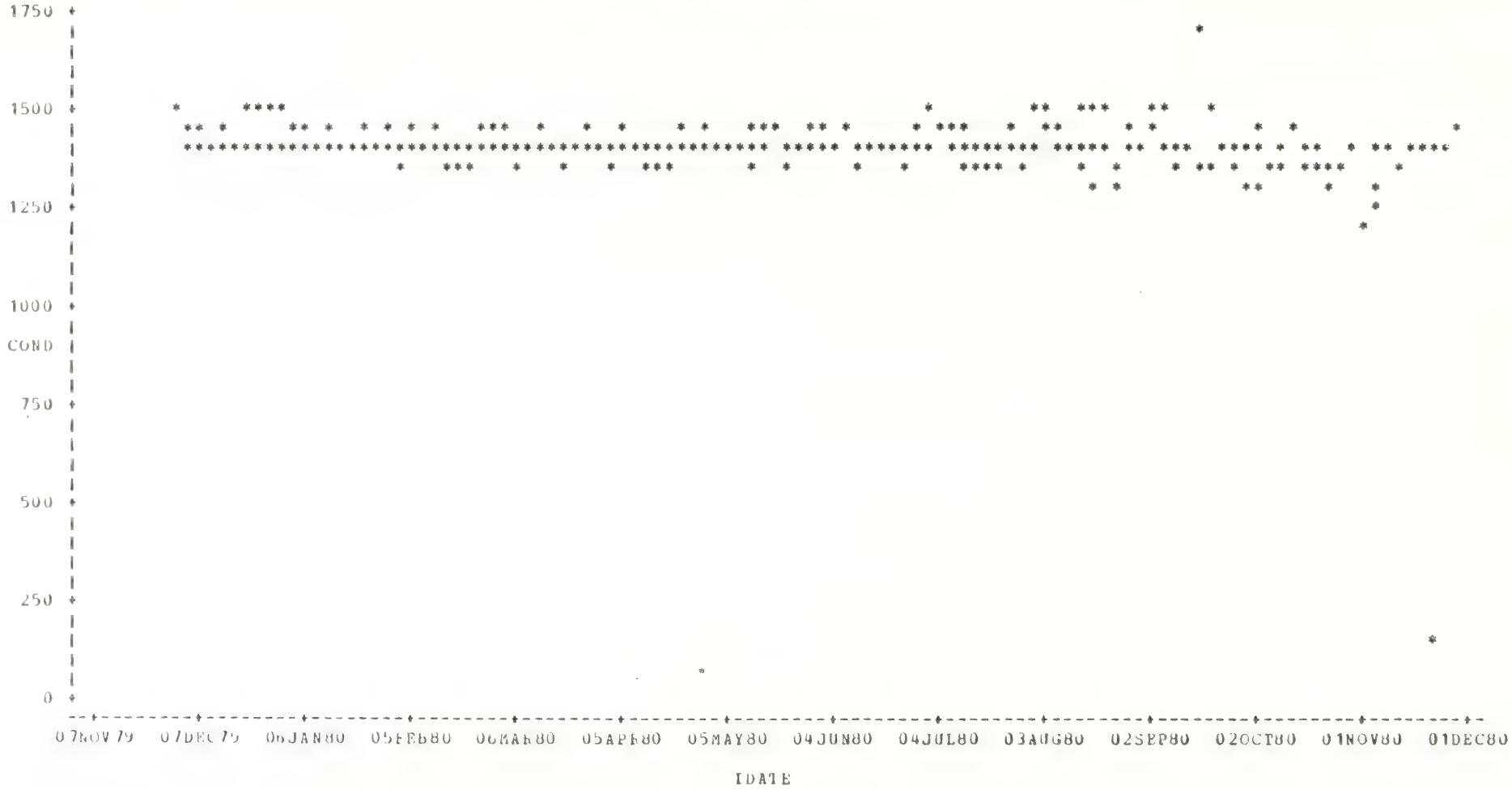
NOTE: 1 OBS HAD MISSING VALUES 21 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YWRPOND RPTYR=80



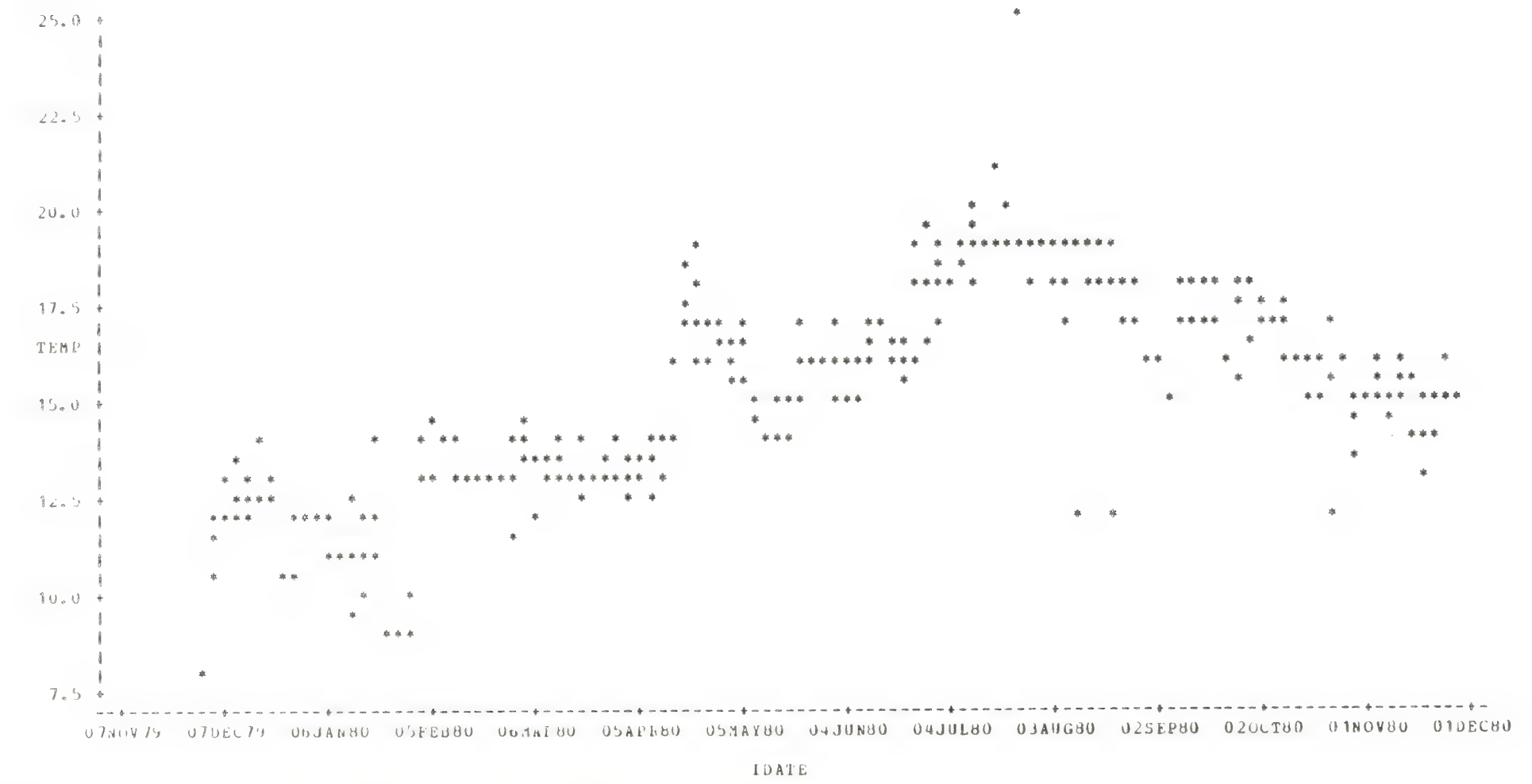
NOTE: 329 OBS HAD MISSING VALUES

DEVELOPMENT ACTIVITIES MONITORING
STA=YWEPOND RPTYR=80



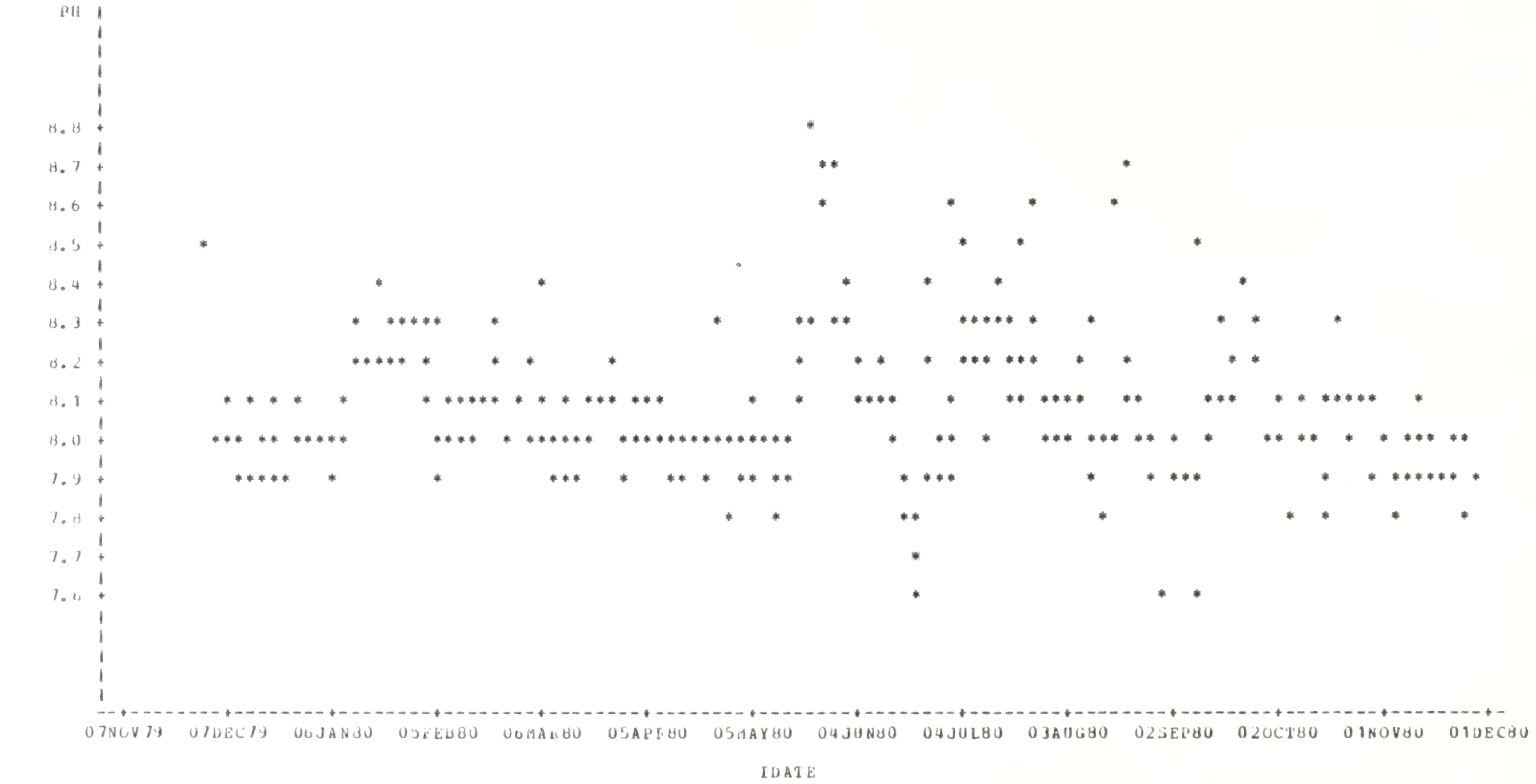
NOTE: 1 OBS HAD MISSING VALUES 145 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YWRPOND BPTYR=80

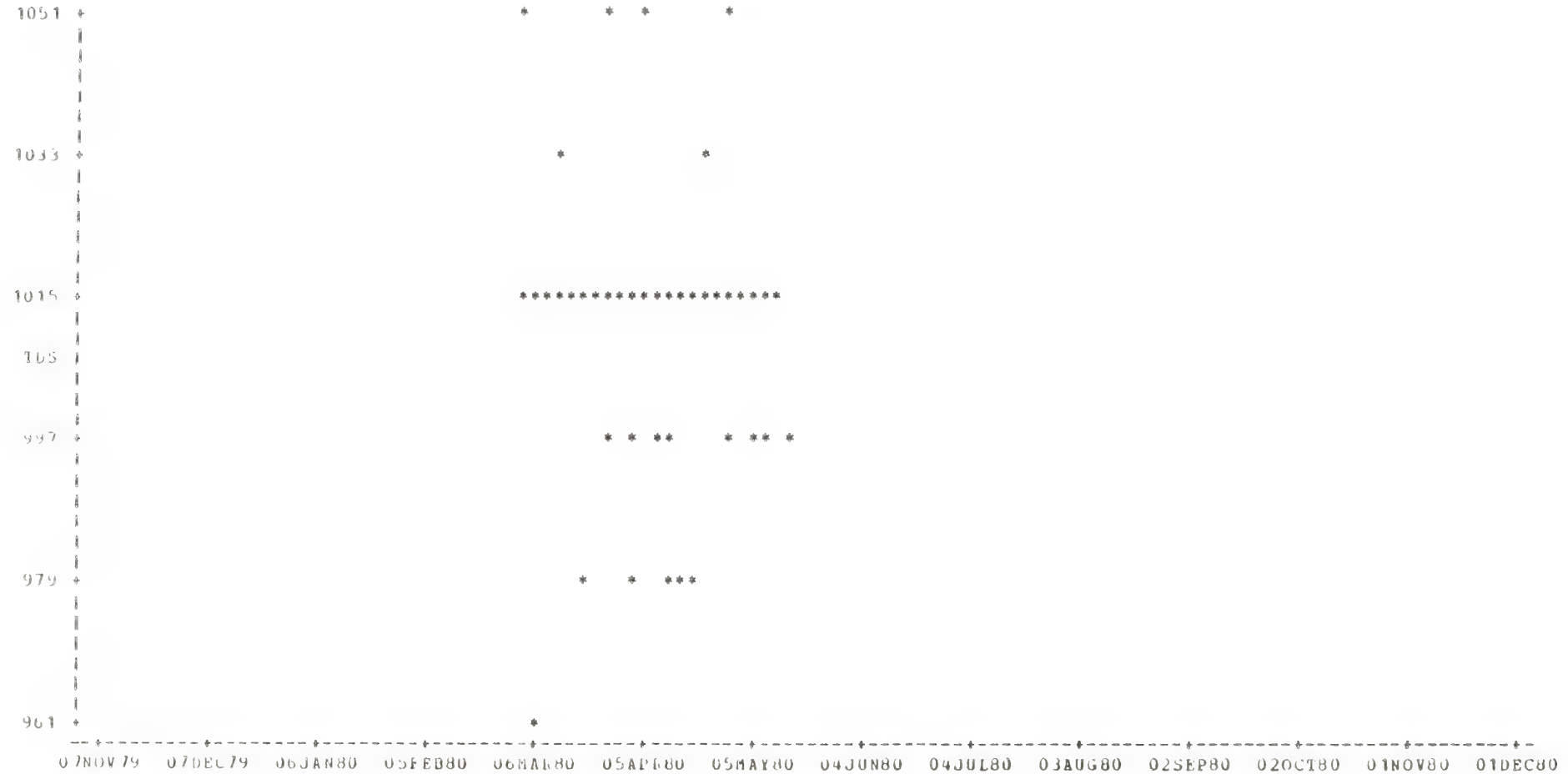


NOTE: 1 OBS HAD MISSING VALUES 105 OBS HIDDEN

DEVELOPMENT ACTIVITIES MONITORING
STA=YWEPOND RPTYR=80



NOTE: 2 OBS HAD MISSING VALUES 111 OBS HIDDEN



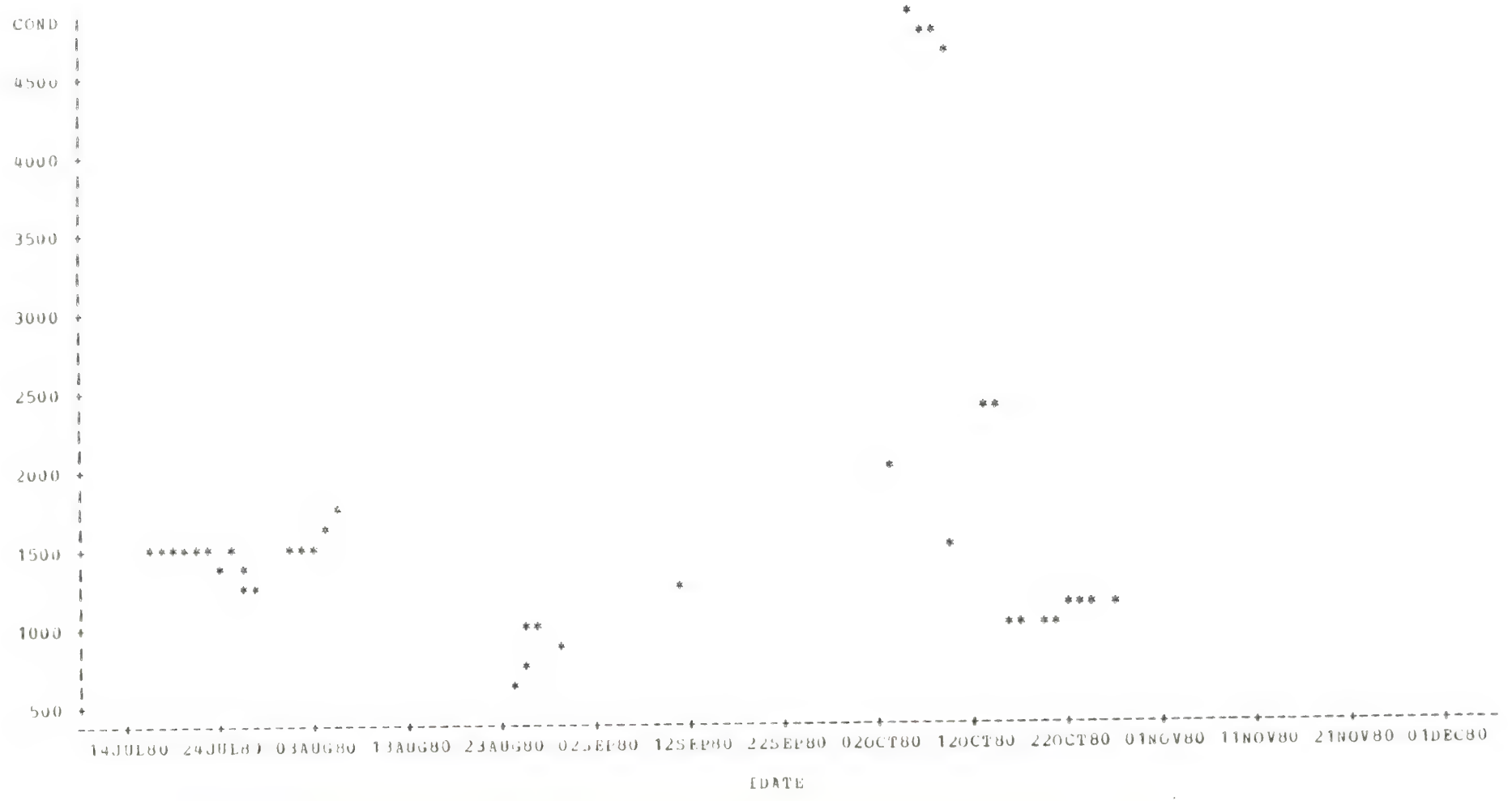
NOTE: 259 OBS HAD MISSING VALUES 31 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YEROPOND RPTYR=80

17:42 SATURDAY, MARCH 7, 1981 180

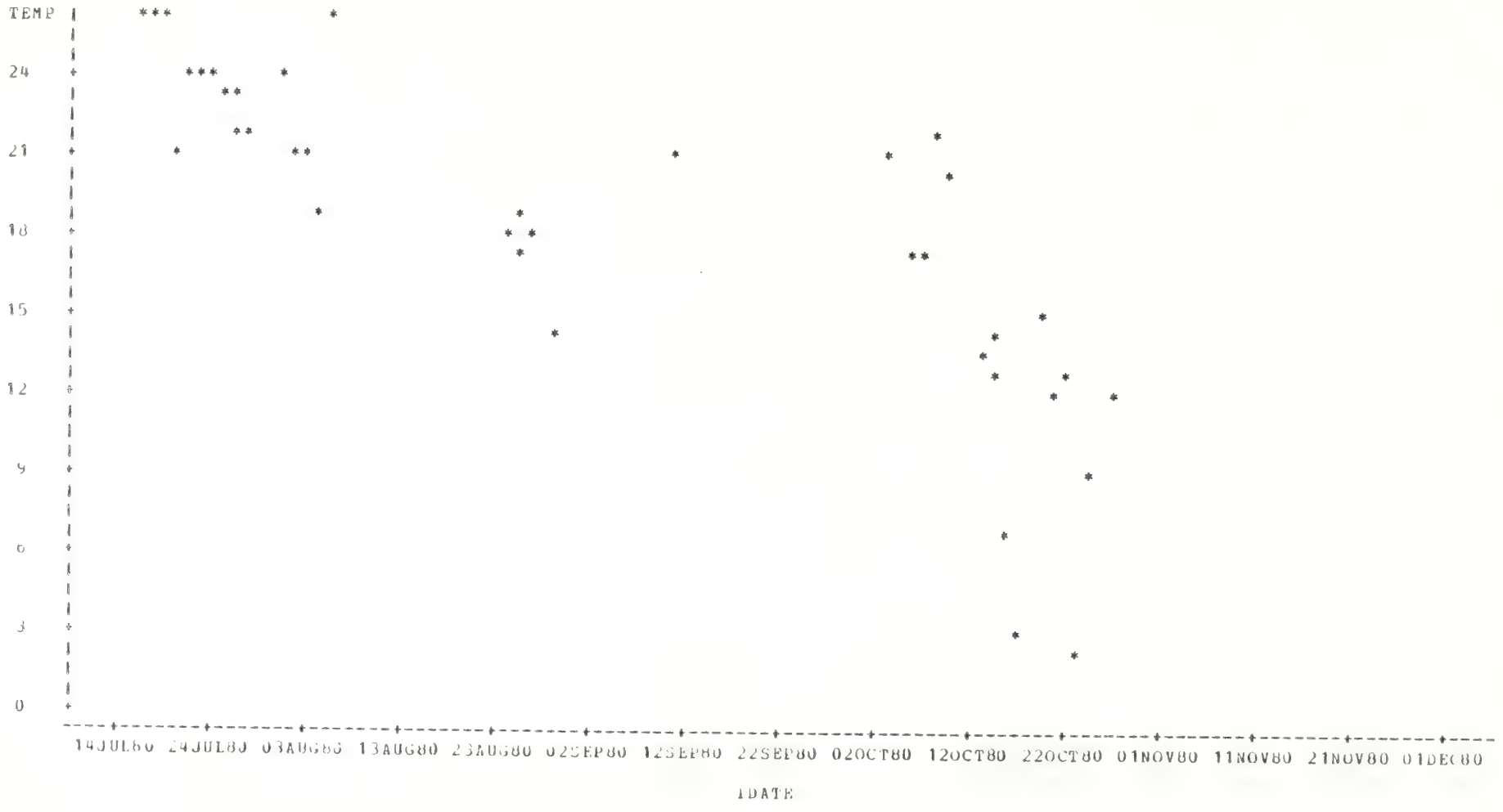
NOTE: 41 OBS HAD MISSING VALUES 11 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YEROPOND RPTYR=80



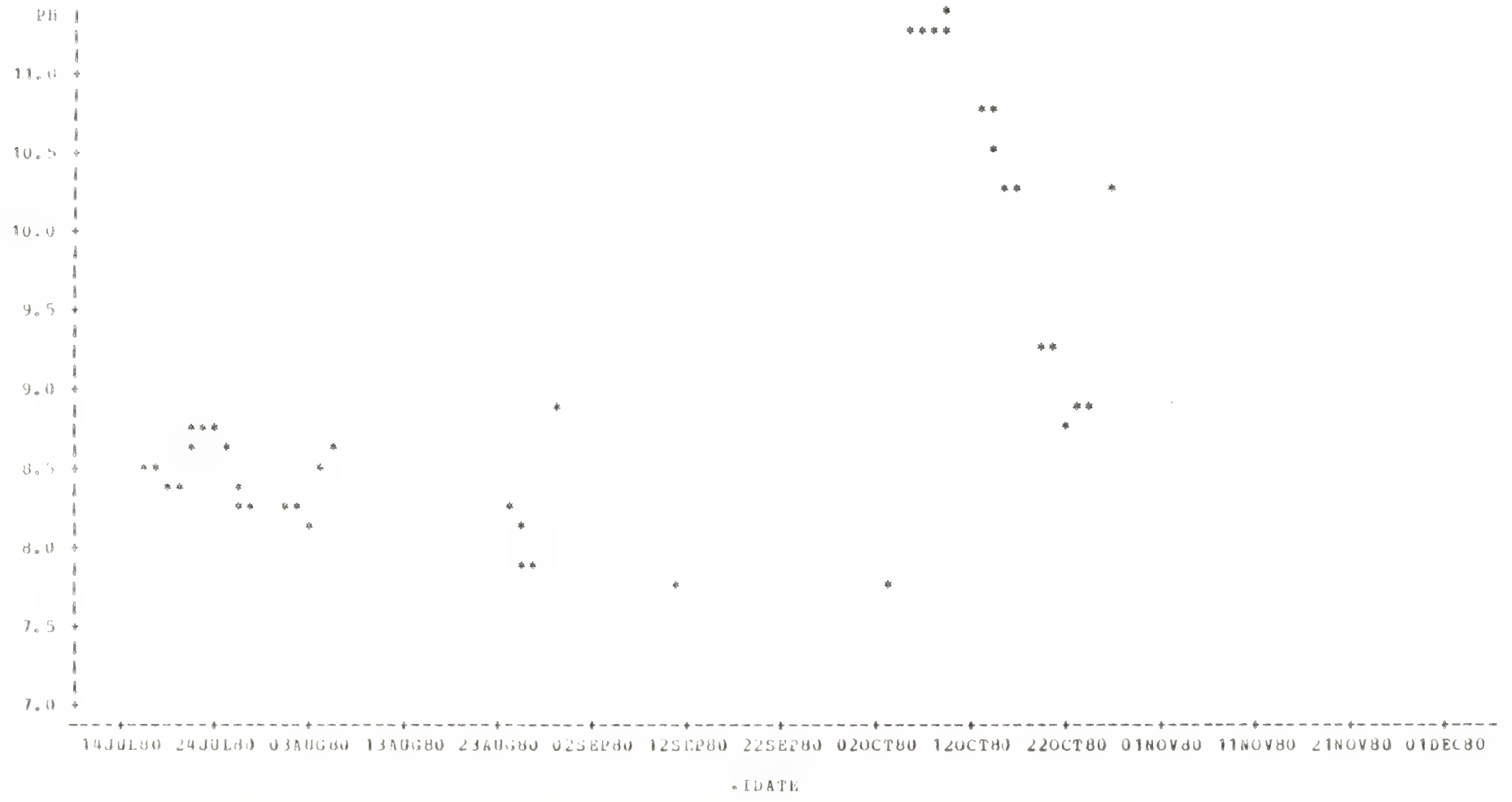
NOTE: 62 OBS HAD MISSING VALUES 3 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YEROPOND RPTYR=80



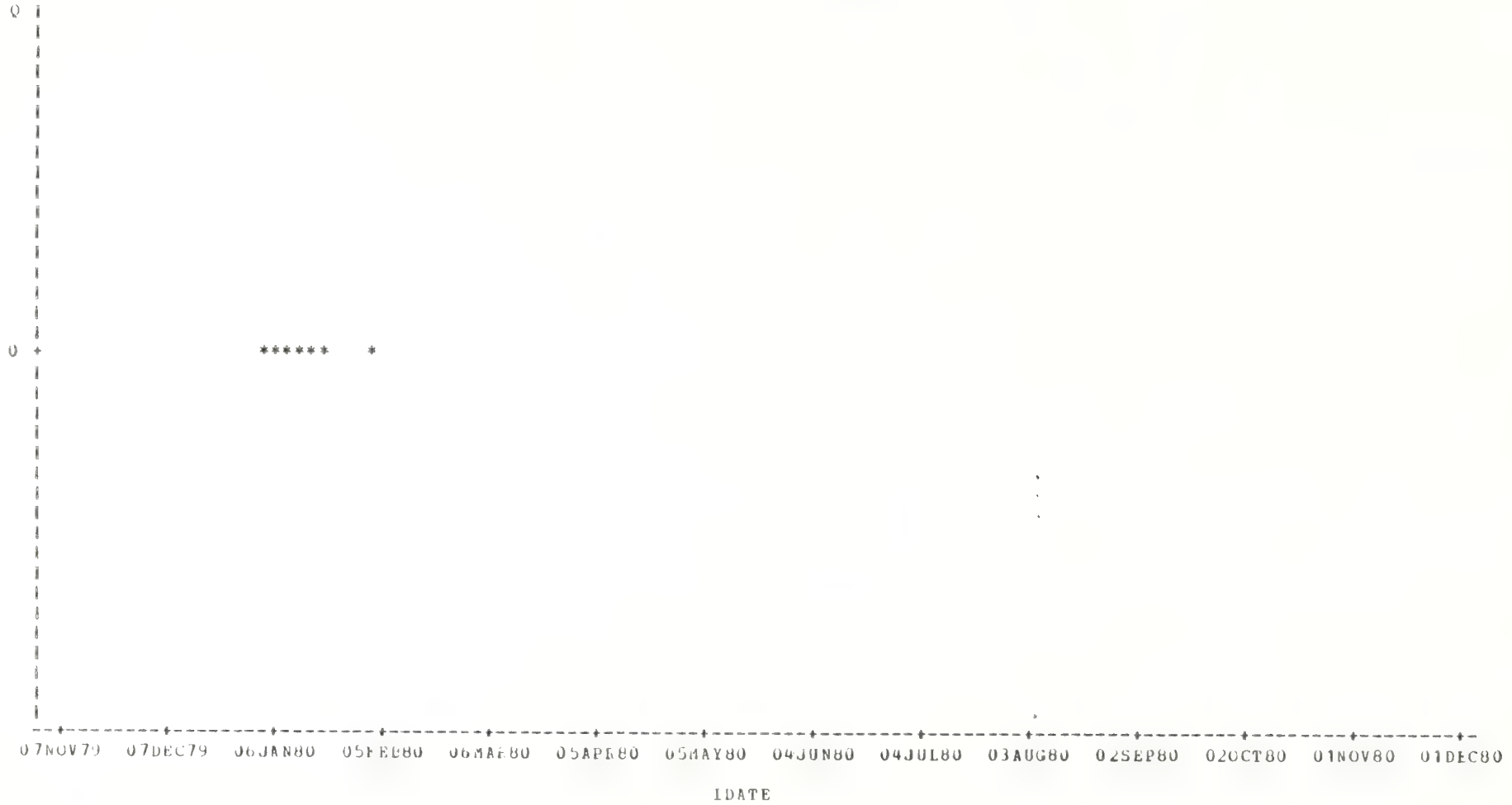
NOTE: 62 OBS HAD MISSING VALUES 3 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YEROPOND RPTYR=80



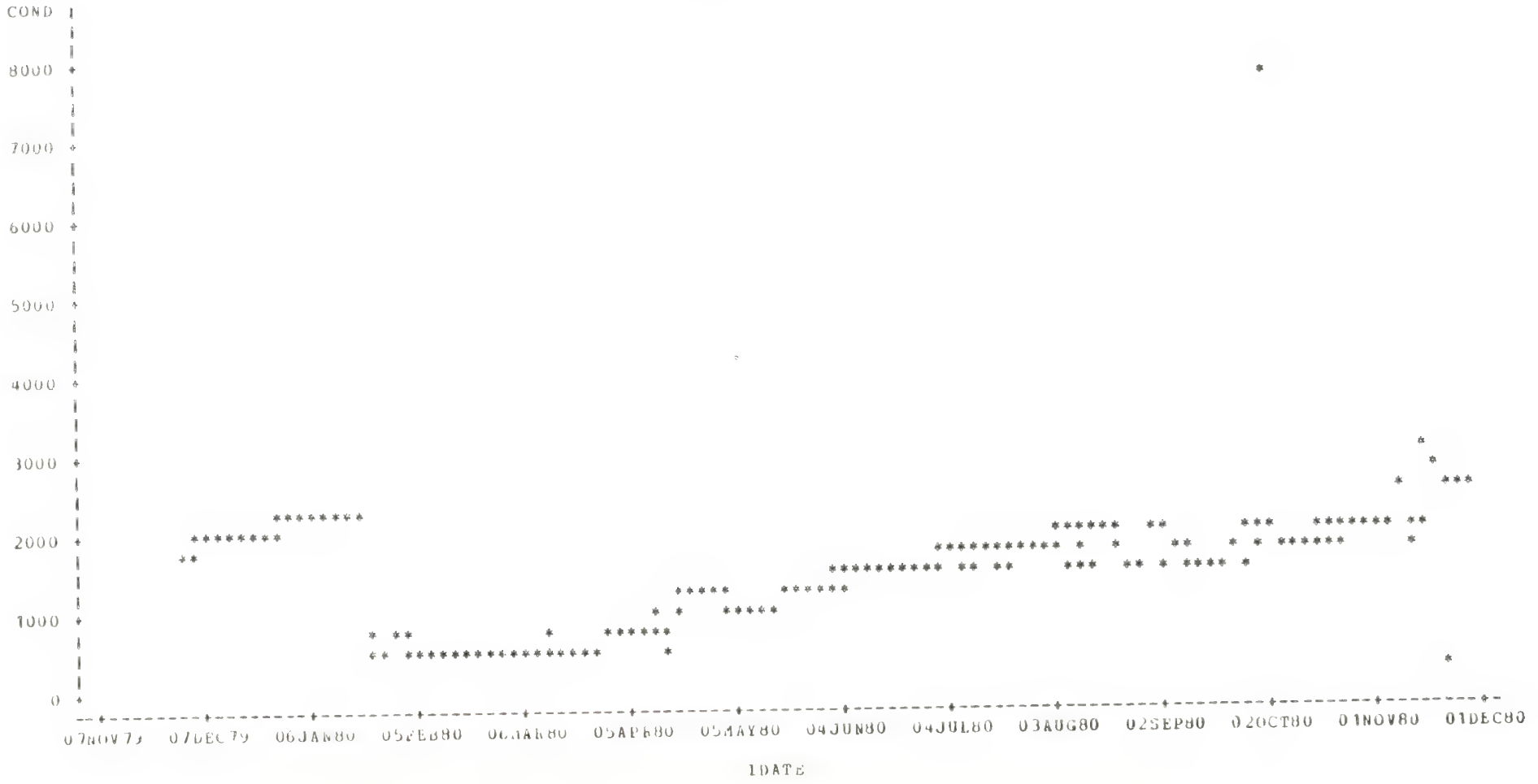
NOTE: 62 OBS HAD MISSING VALUES 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YERPOND RPTYR=80



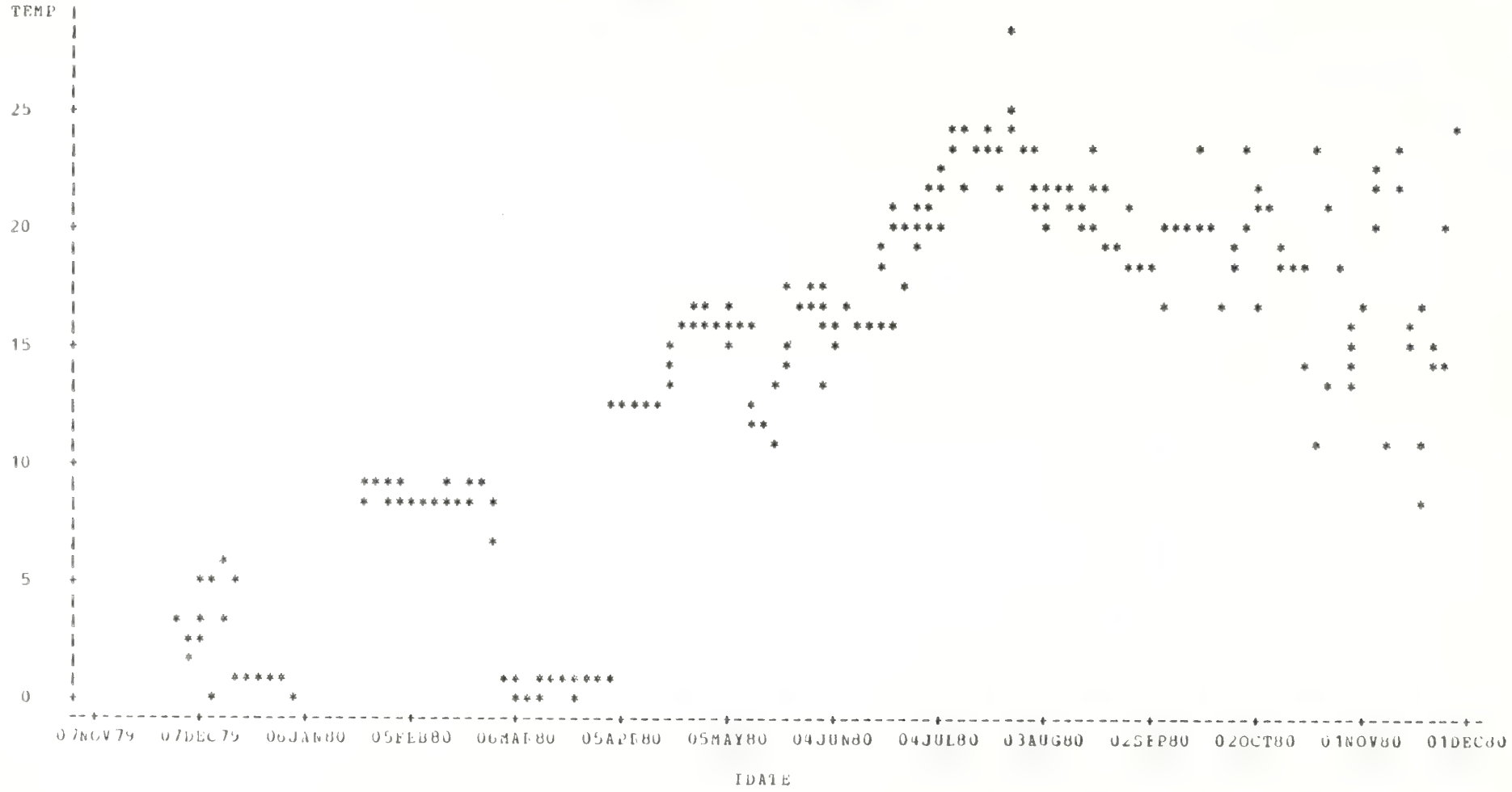
NOTE: 314 OBS HAD MISSING VALUES 12 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YCLPOND EPTYR=80

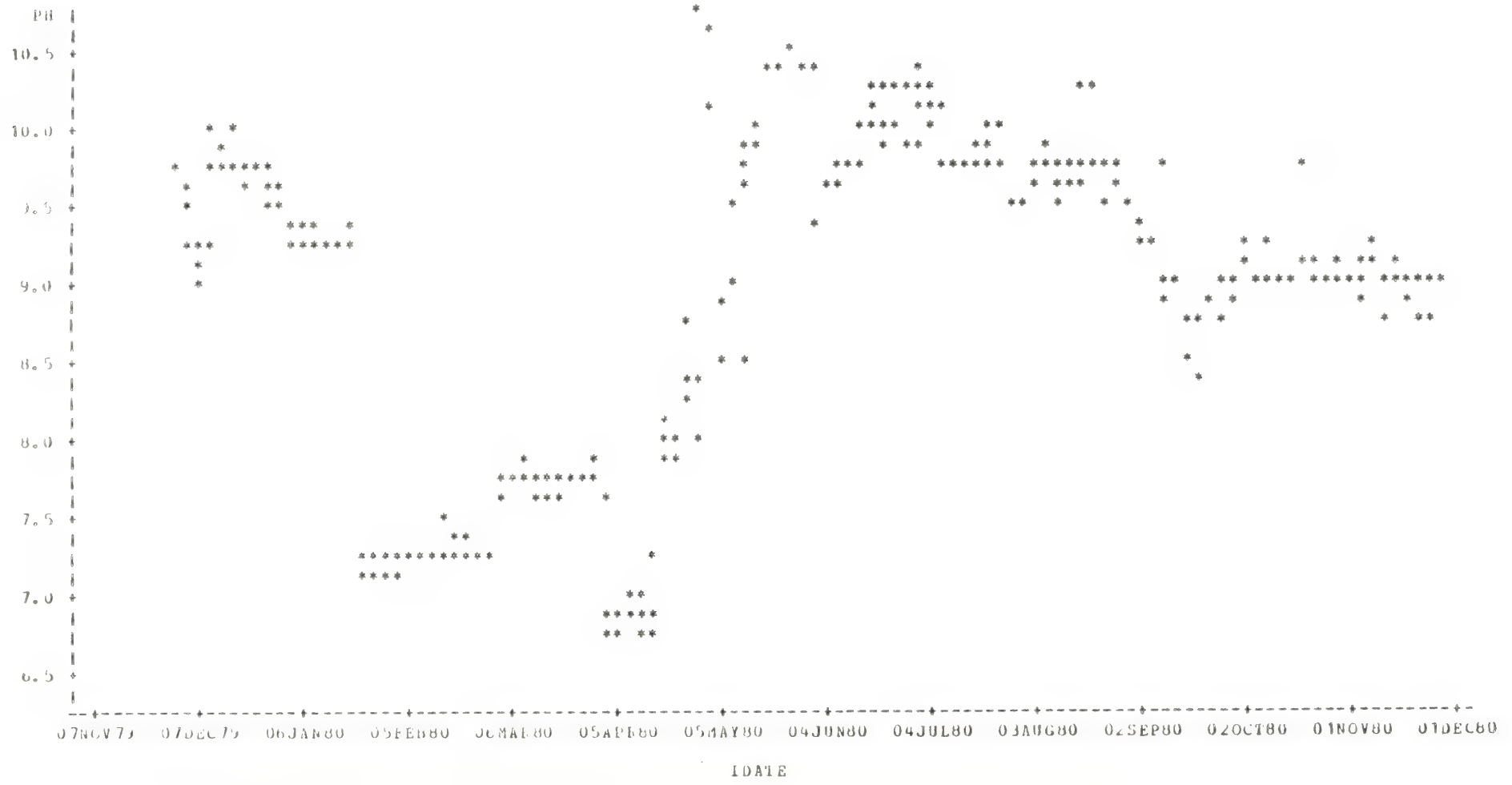


NOTE: 1 OBS HAD MISSING VALUES 169 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YEIPOND RPTYR=80

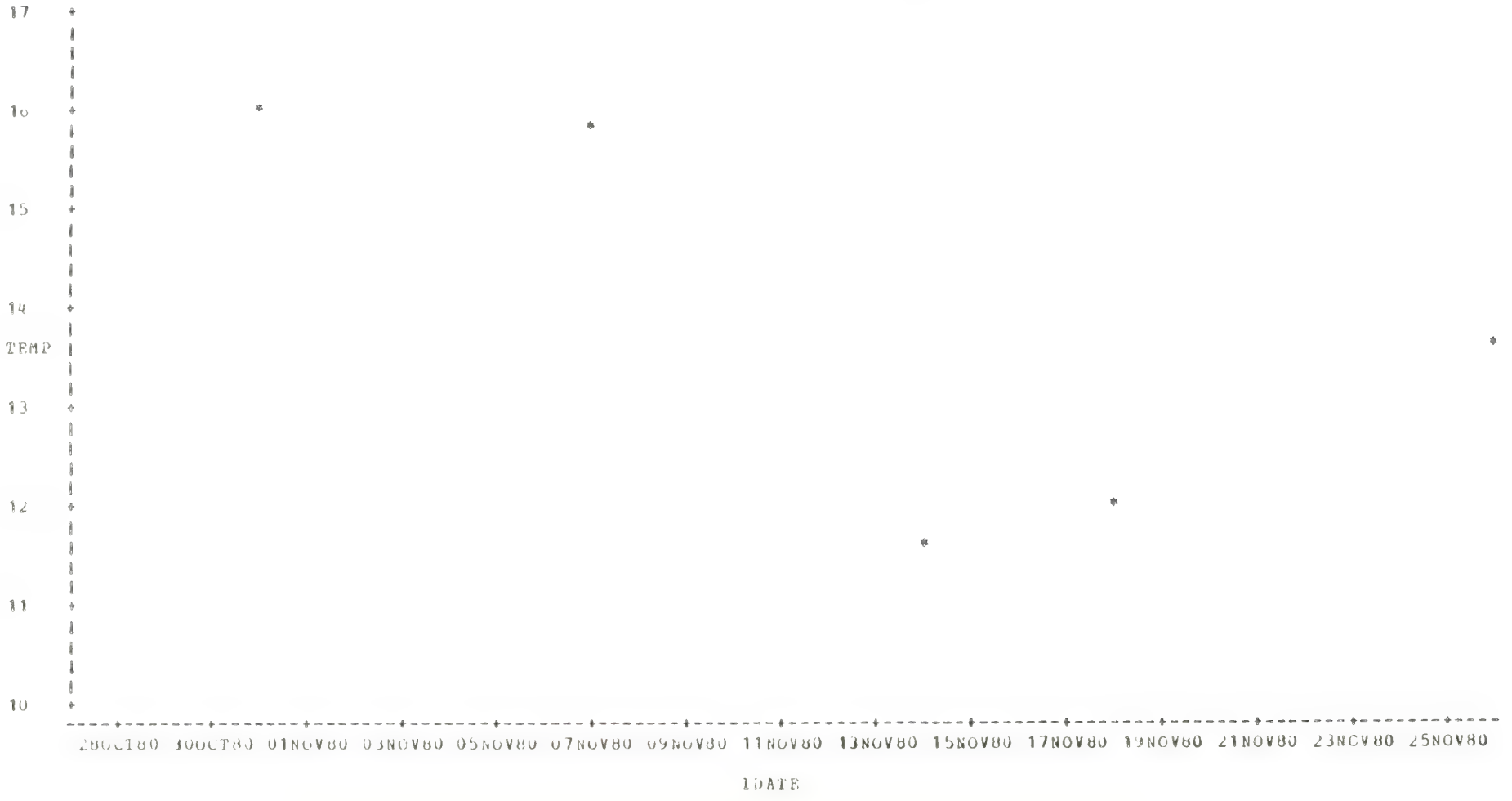


NOTE: 20 OBS HAD MISSING VALUES 128 OBS HIDDEN



NOTE: 2 OBS HAD MISSING VALUES 121 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YJEFPOND RPTYR=80


17
16
15
14
TEMP
13
12
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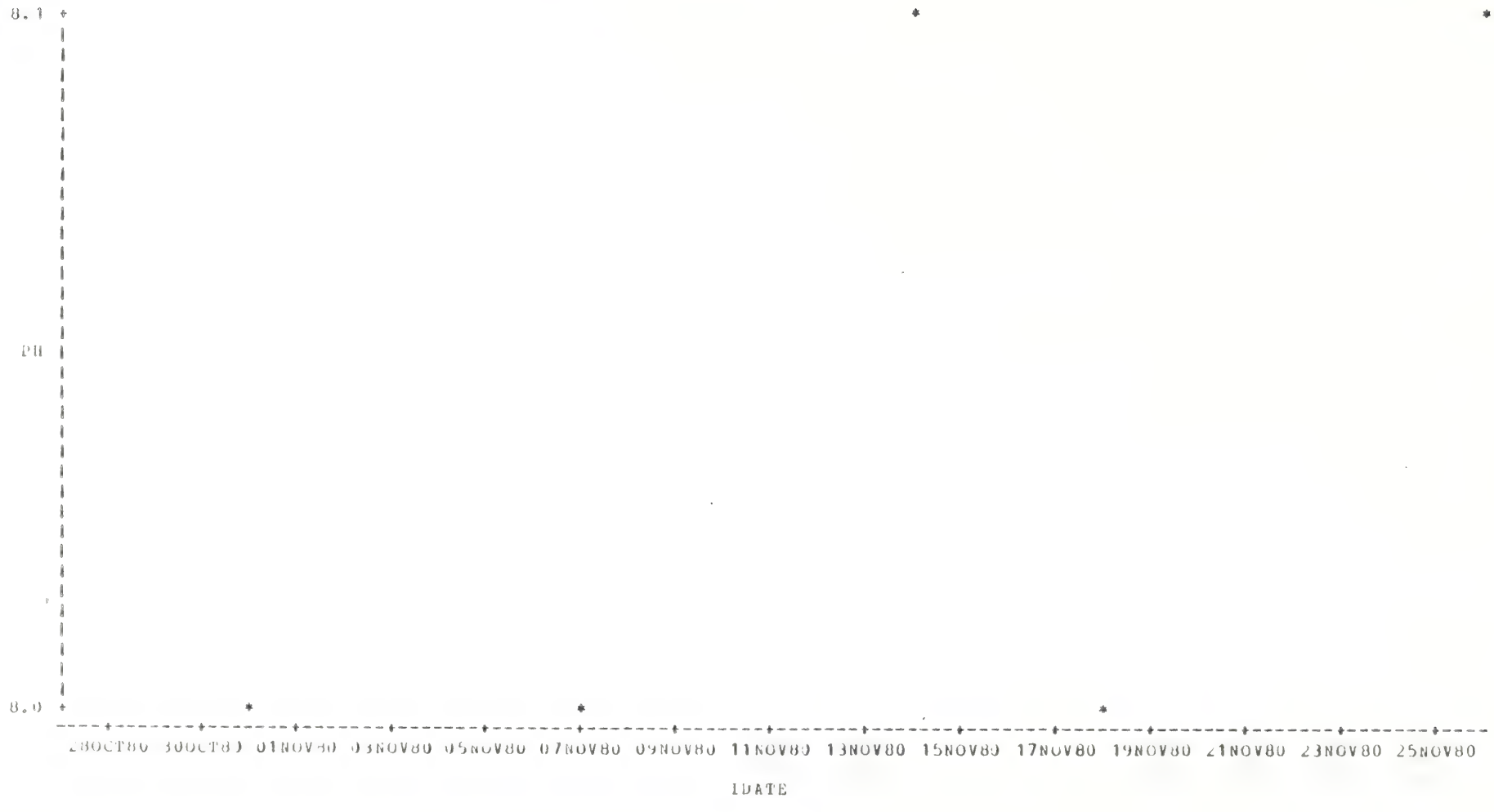
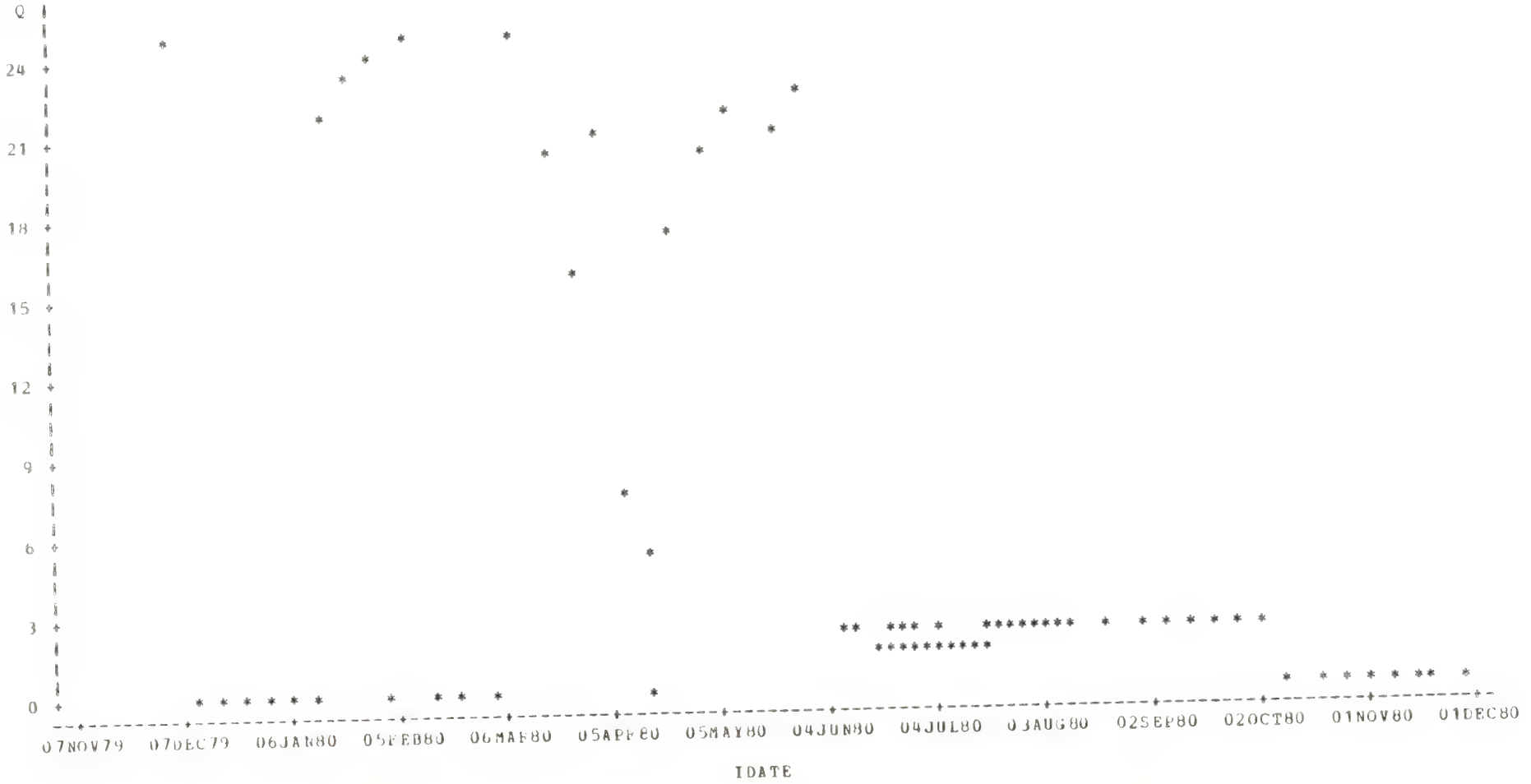
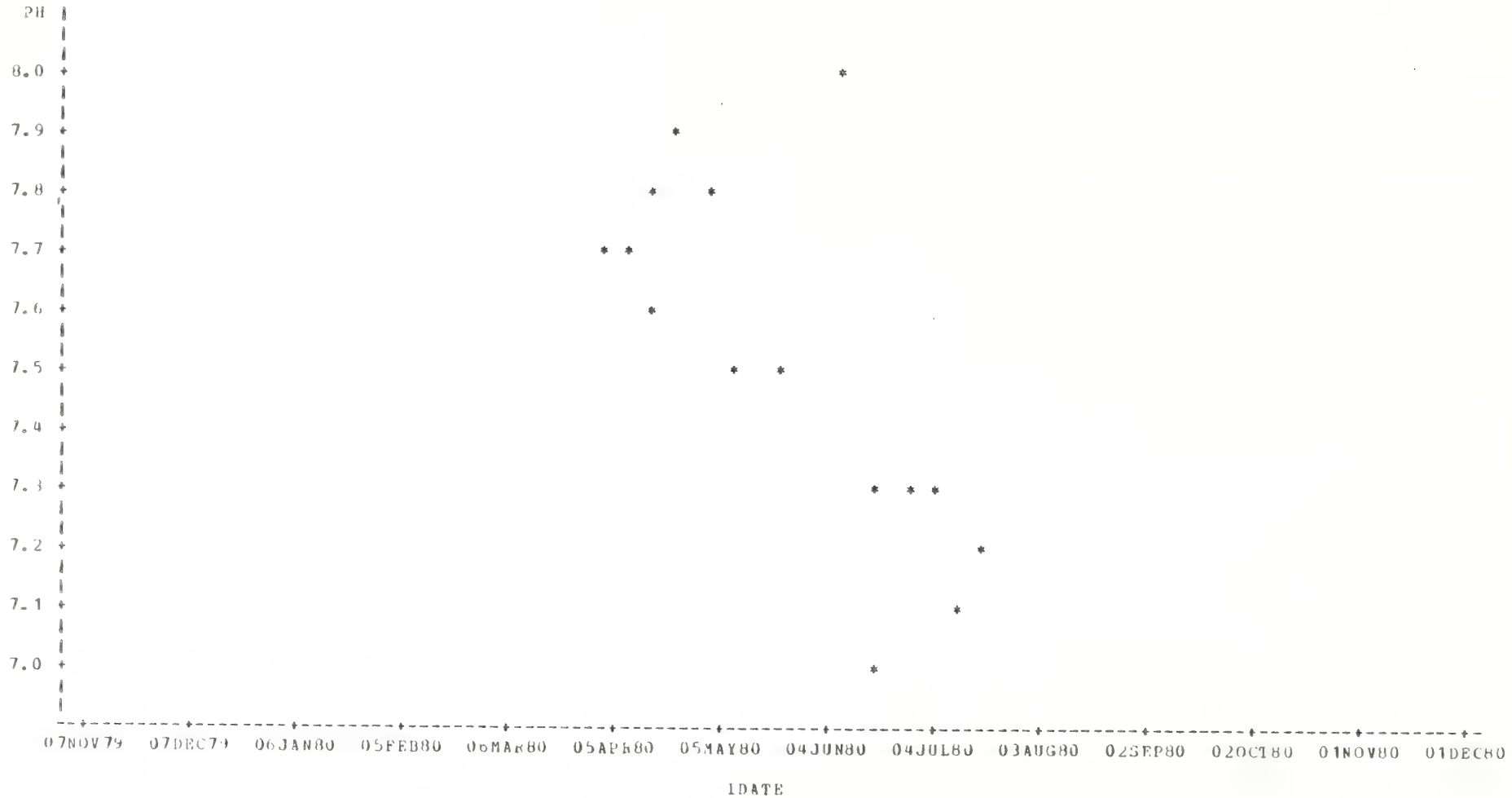
10
28OCT80 30OCT80 01NOV80 03NOV80 05NOV80 07NOV80 09NOV80 11NOV80 13NOV80 15NOV80 17NOV80 19NOV80 21NOV80 23NOV80 25NOV80
DATE


8.1
PH
8.0
28OCT80 30OCT80 01NOV80 03NOV80 05NOV80 07NOV80 09NOV80 11NOV80 13NOV80 15NOV80 17NOV80 19NOV80 21NOV80 23NOV80 25NOV80
DATE

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND1 RPTYR=80

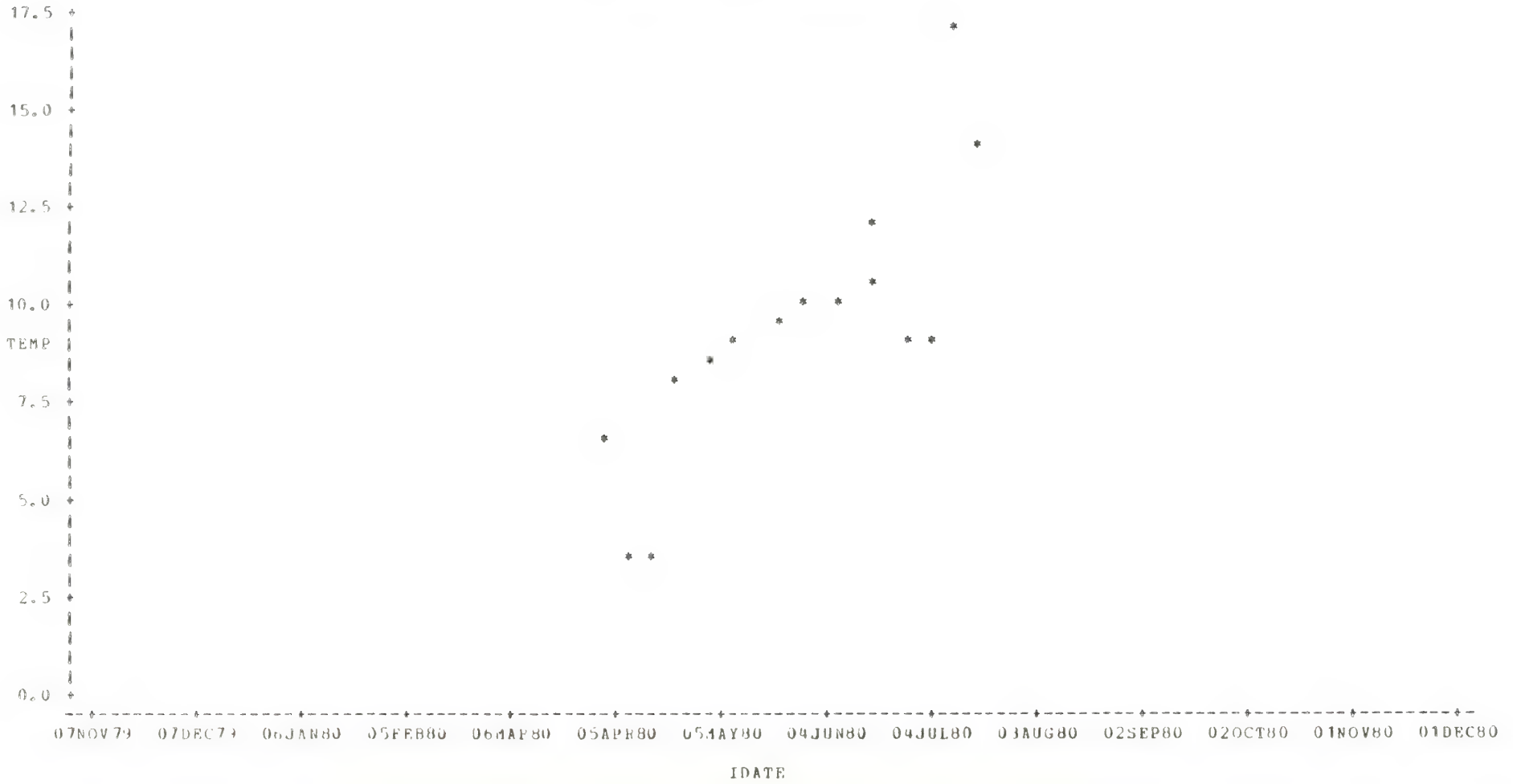


NOTE: 34 OBS HIDDEN



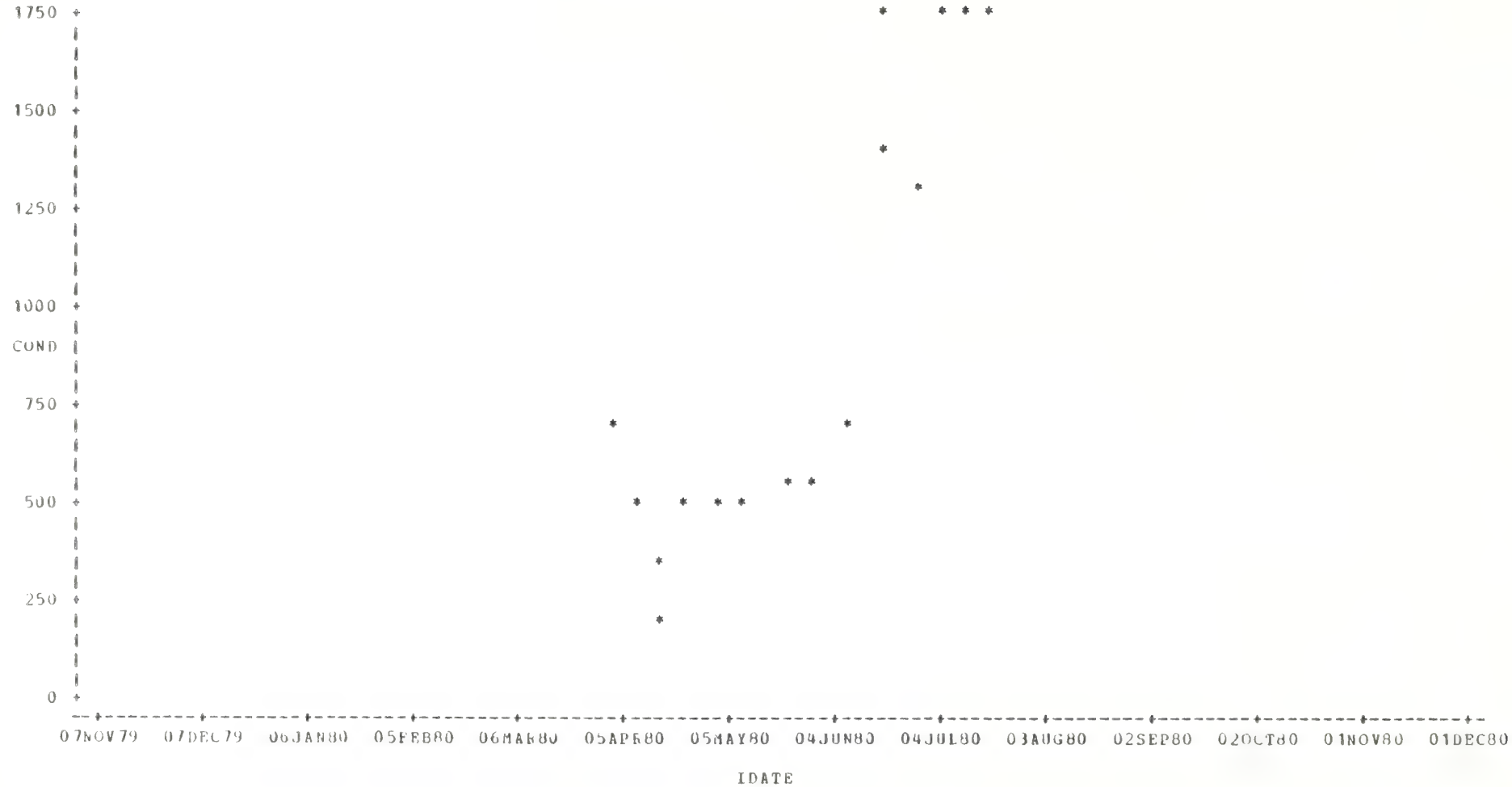
NOTE: 85 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND1 RPTYR=80



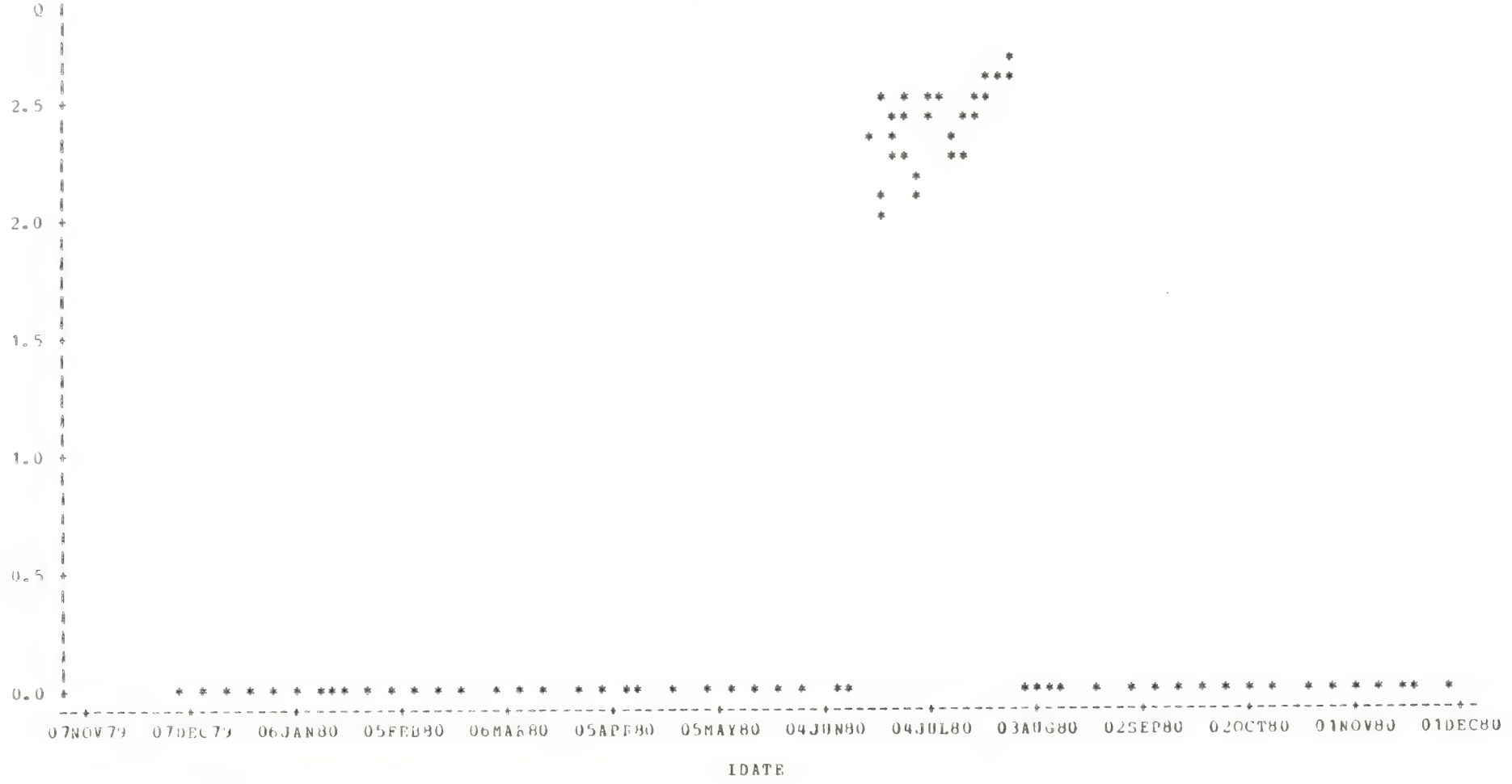
NOTE: 85 OBS HAD MISSING VALUES

DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND1 WPTYR=80



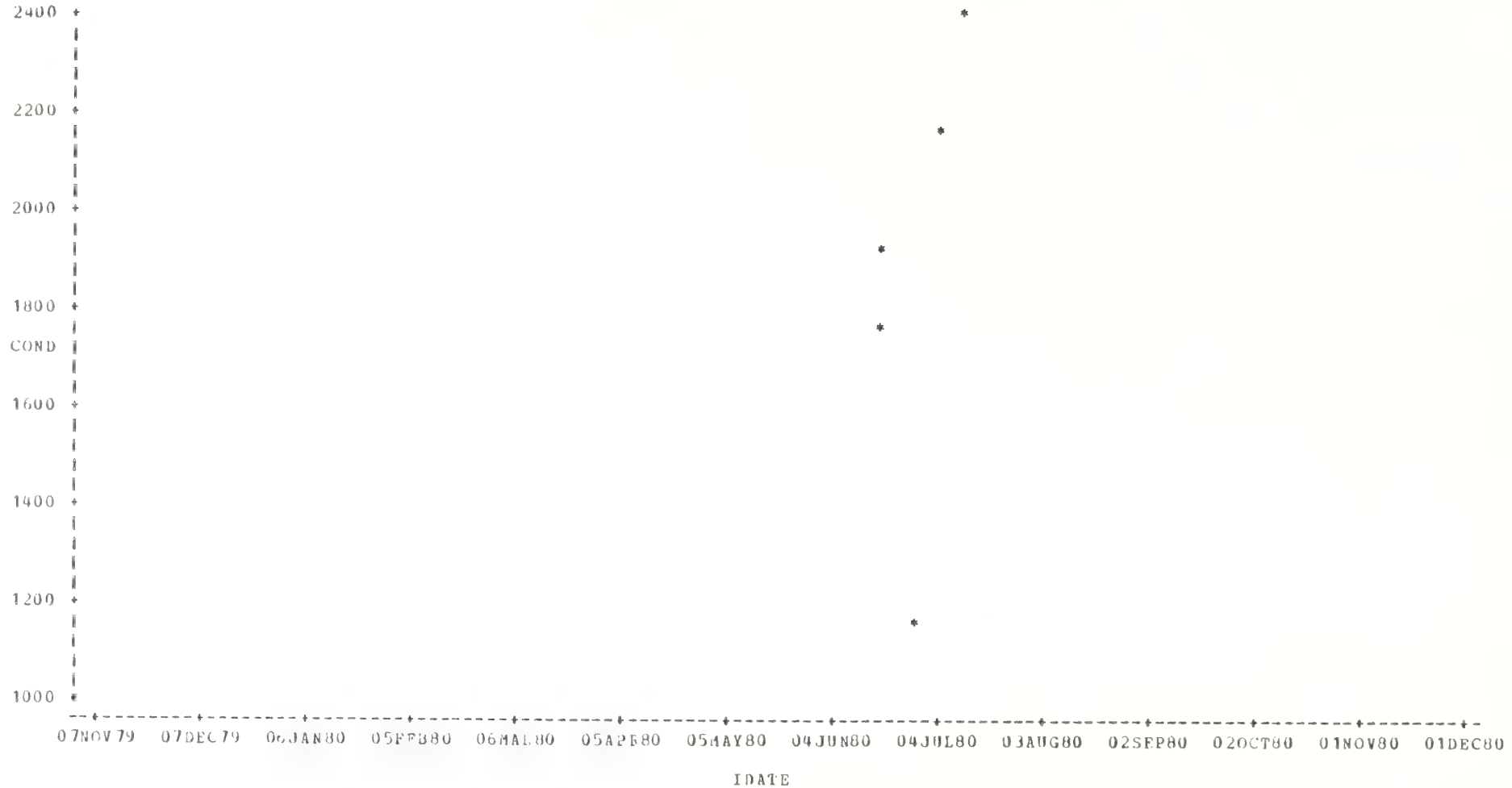
NOTE: 84 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND2 &PTY&=80

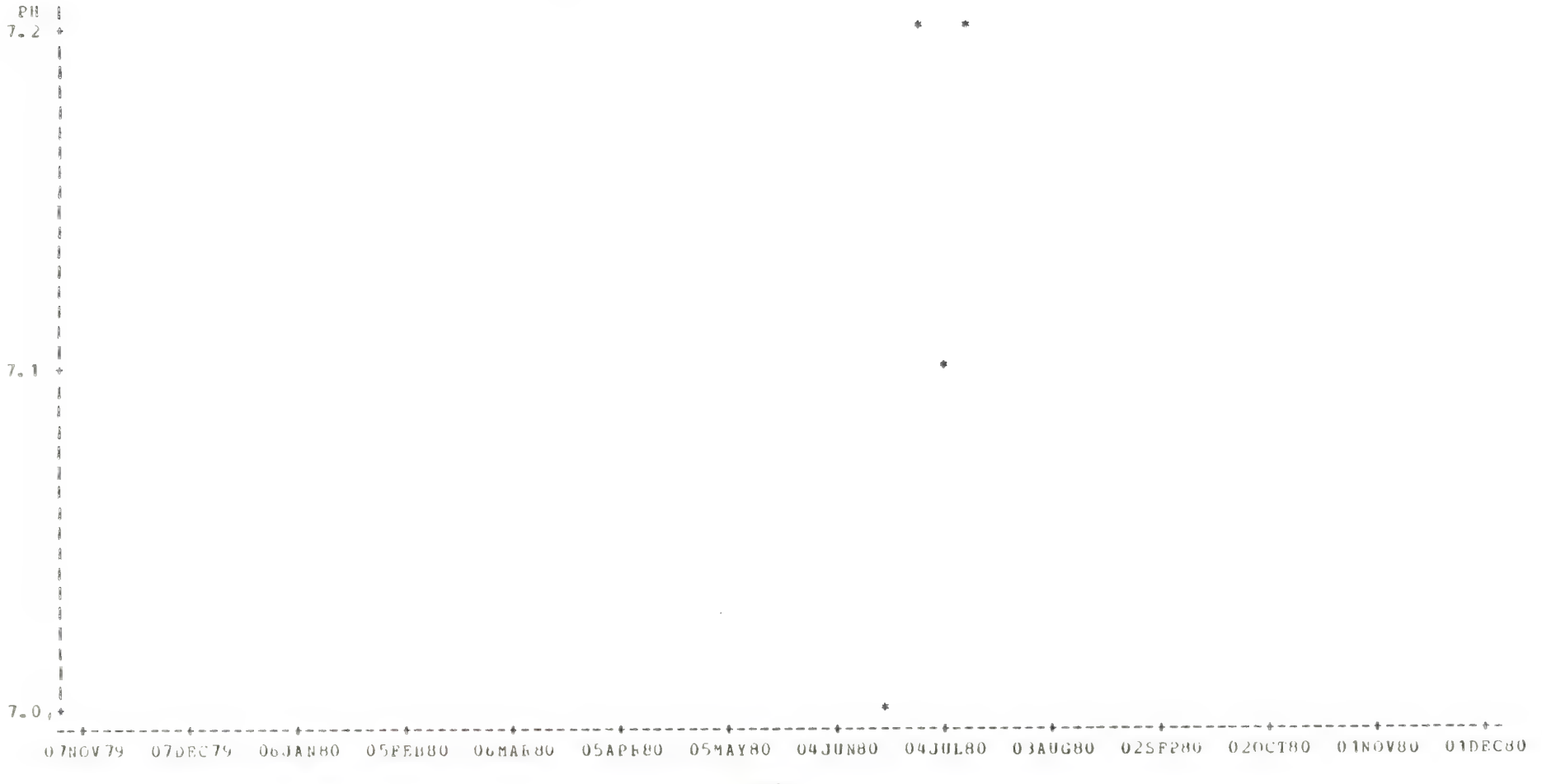


NOTE: 26 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND2 RPTYR=80

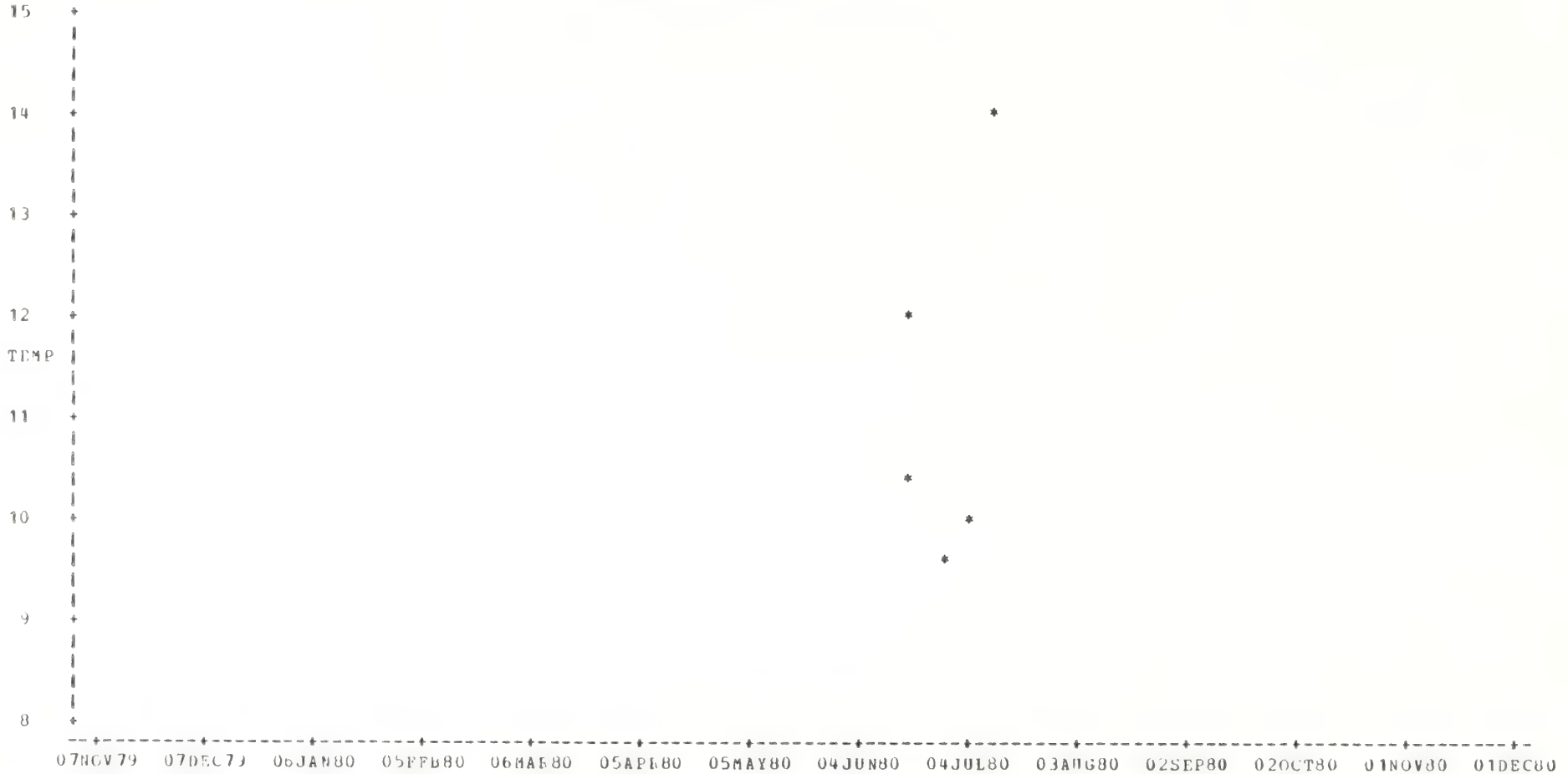


NOTE: 95 OBS HAD MISSING VALUES



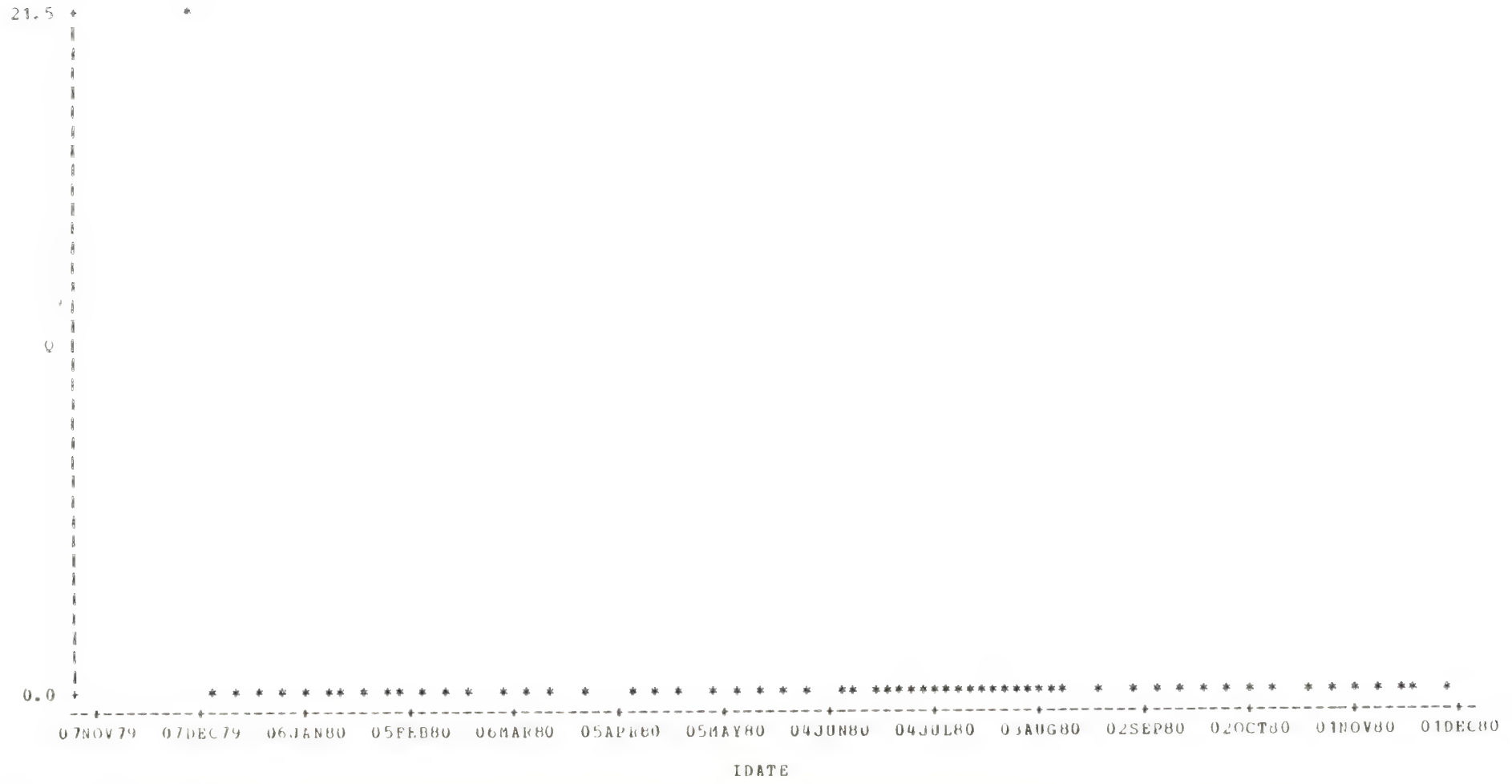
NOTE: 95 OBS HAD MISSING VALUES 1 OBS HIDDEN

DEVELOPMENT ACTIVITIES MONITORING
STA=Y24POND2 RPTYR=80



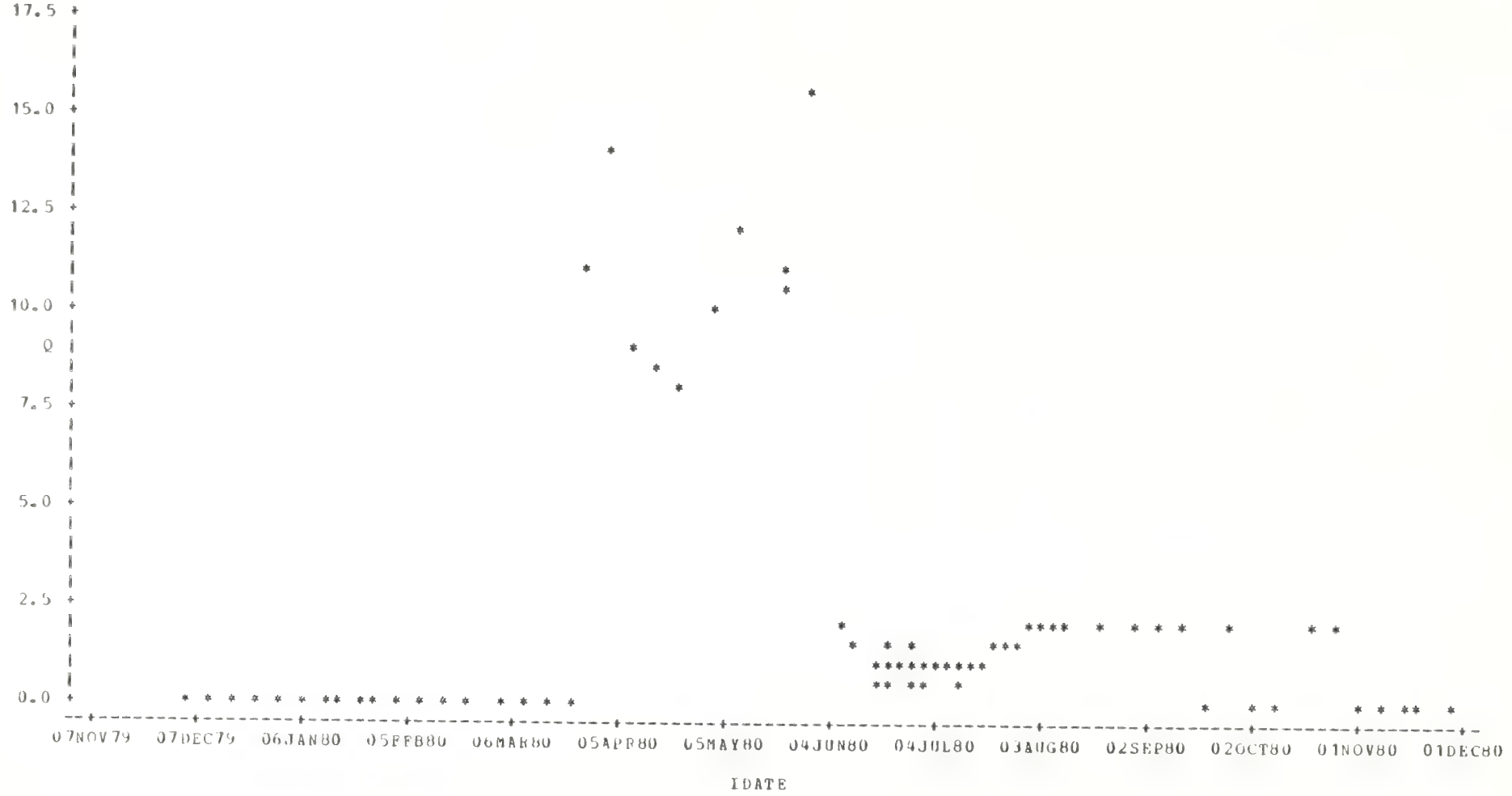
NOTE: 95 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND3 RPTYR=80



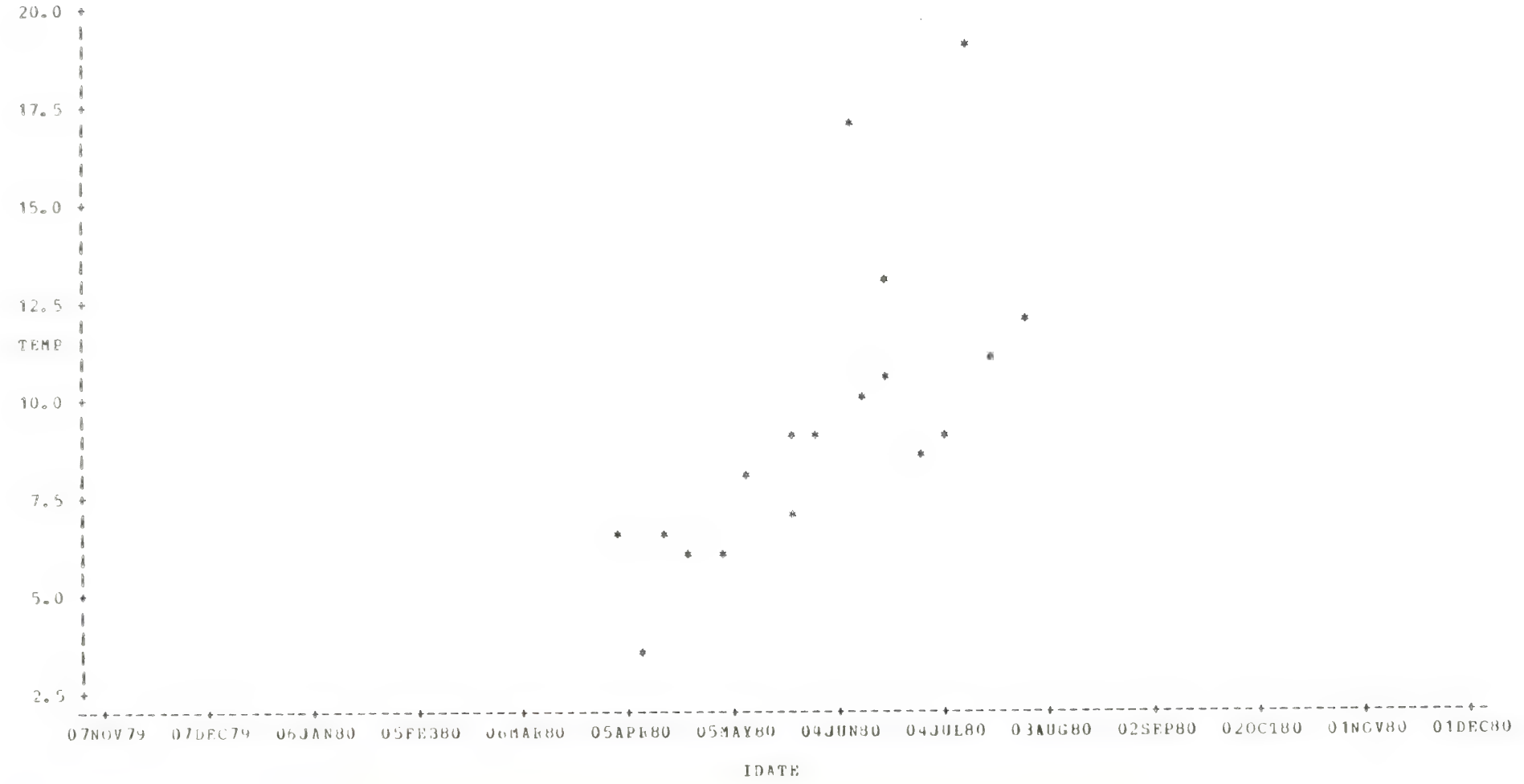
NOTE: 39 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND4 RPTYR=80



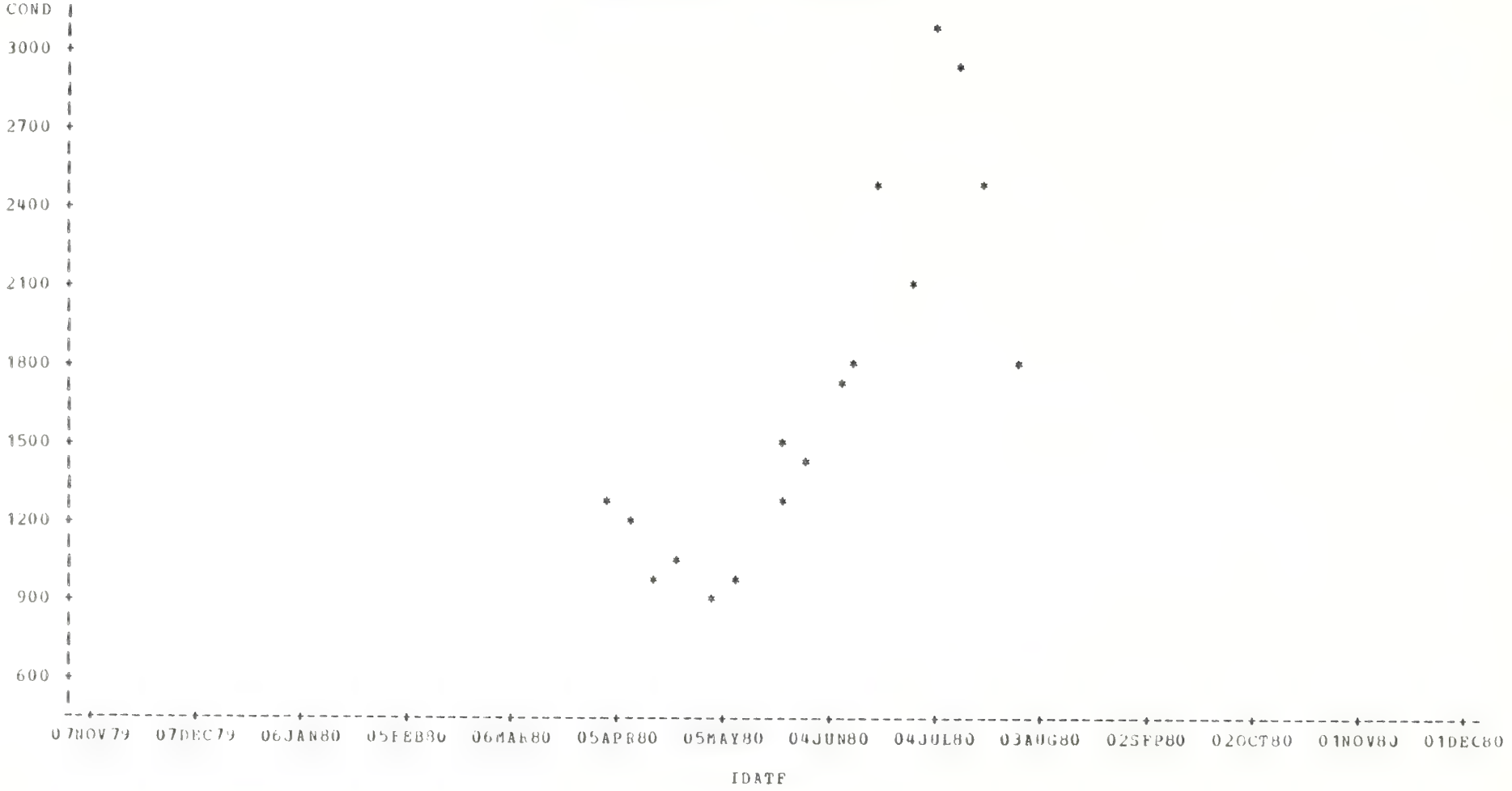
NOTE: 32 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND4 RPTYR=80



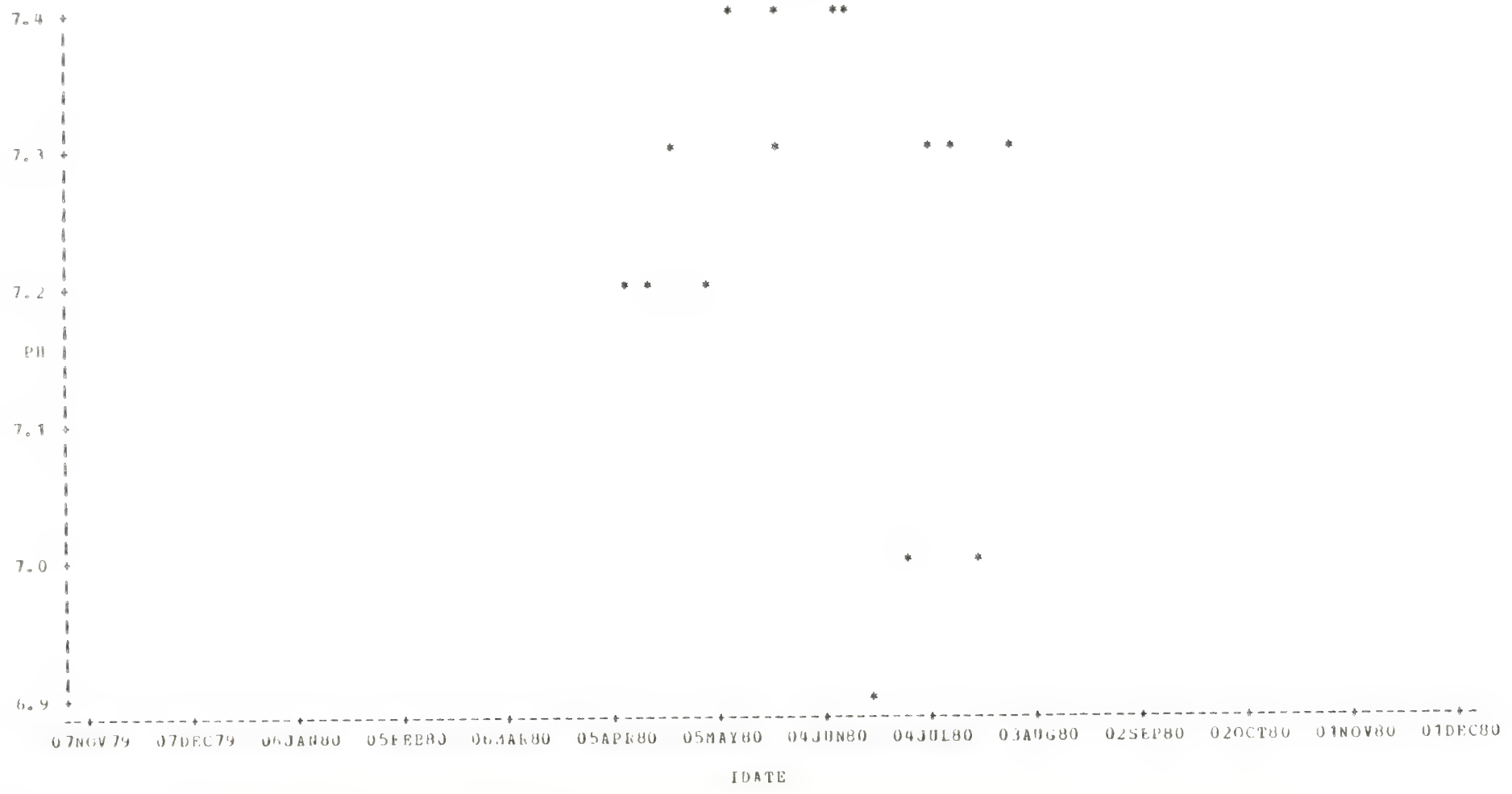
NOTE: 83 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND4 RPTYR=80



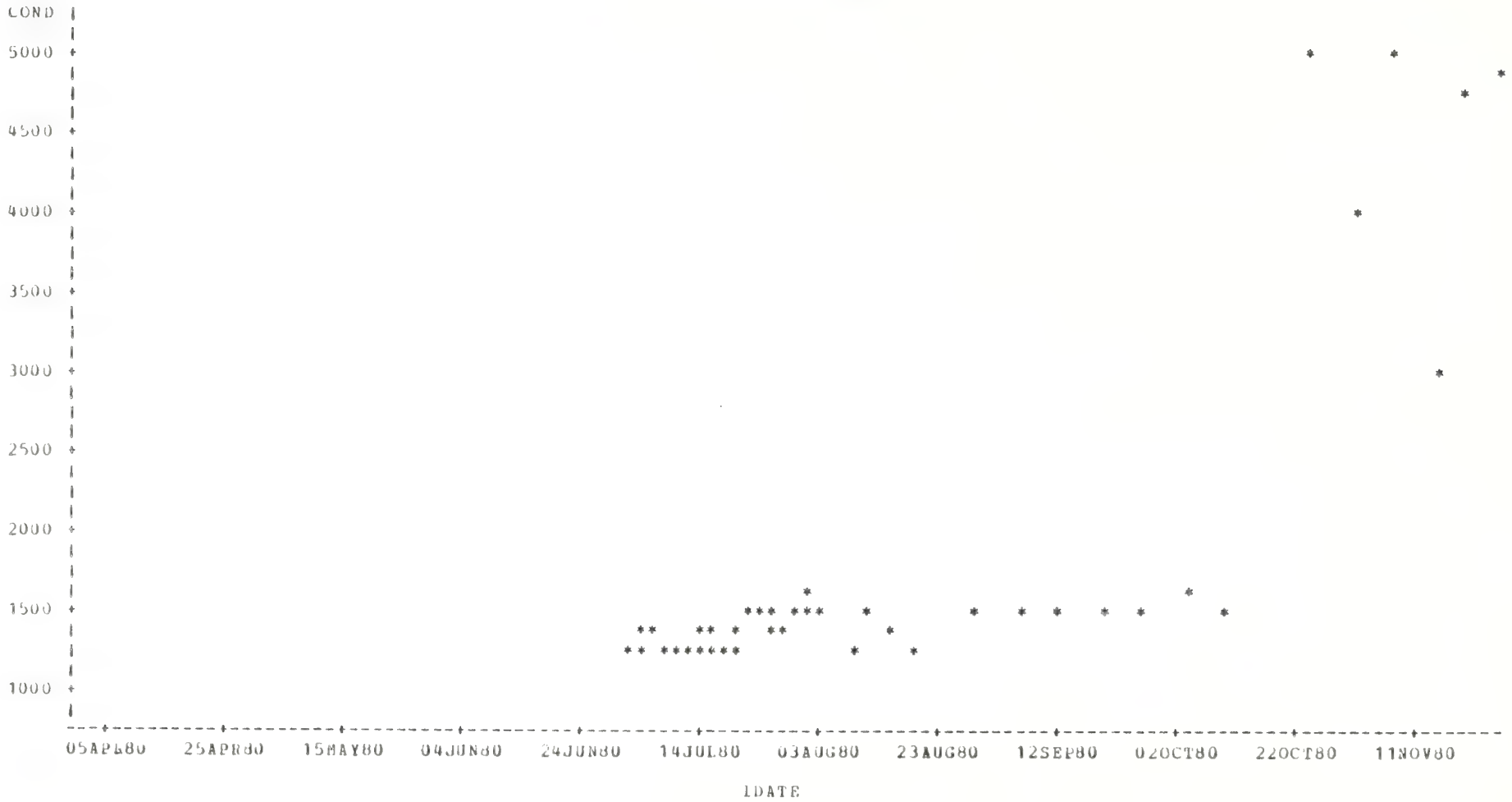
NOTE: 83 OBS HAD MISSING VALUES 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YPZPOND4 RPTYR=80

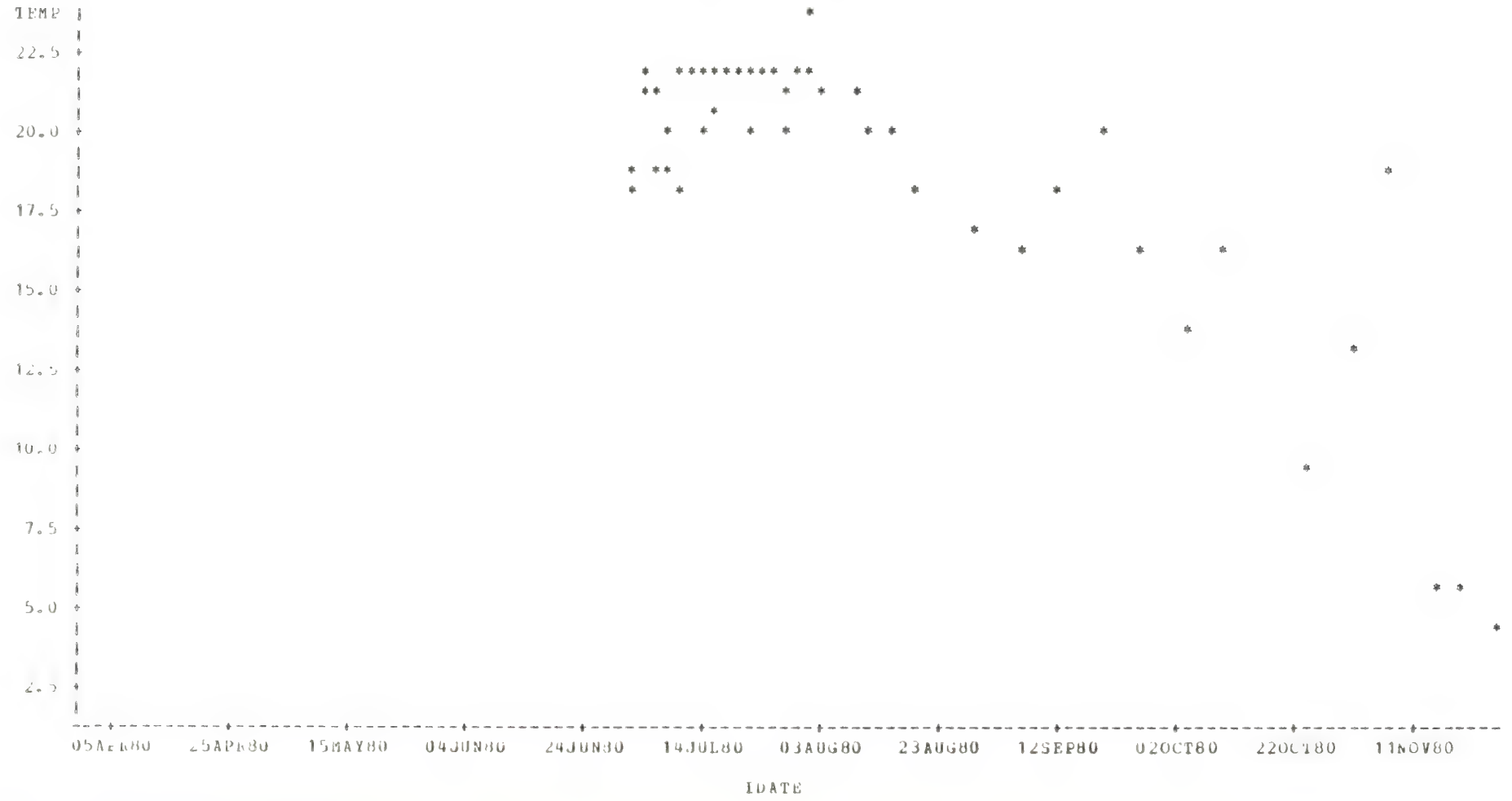


NOTE: 85 OBS HAD MISSING VALUES 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-1 RPTYR=80

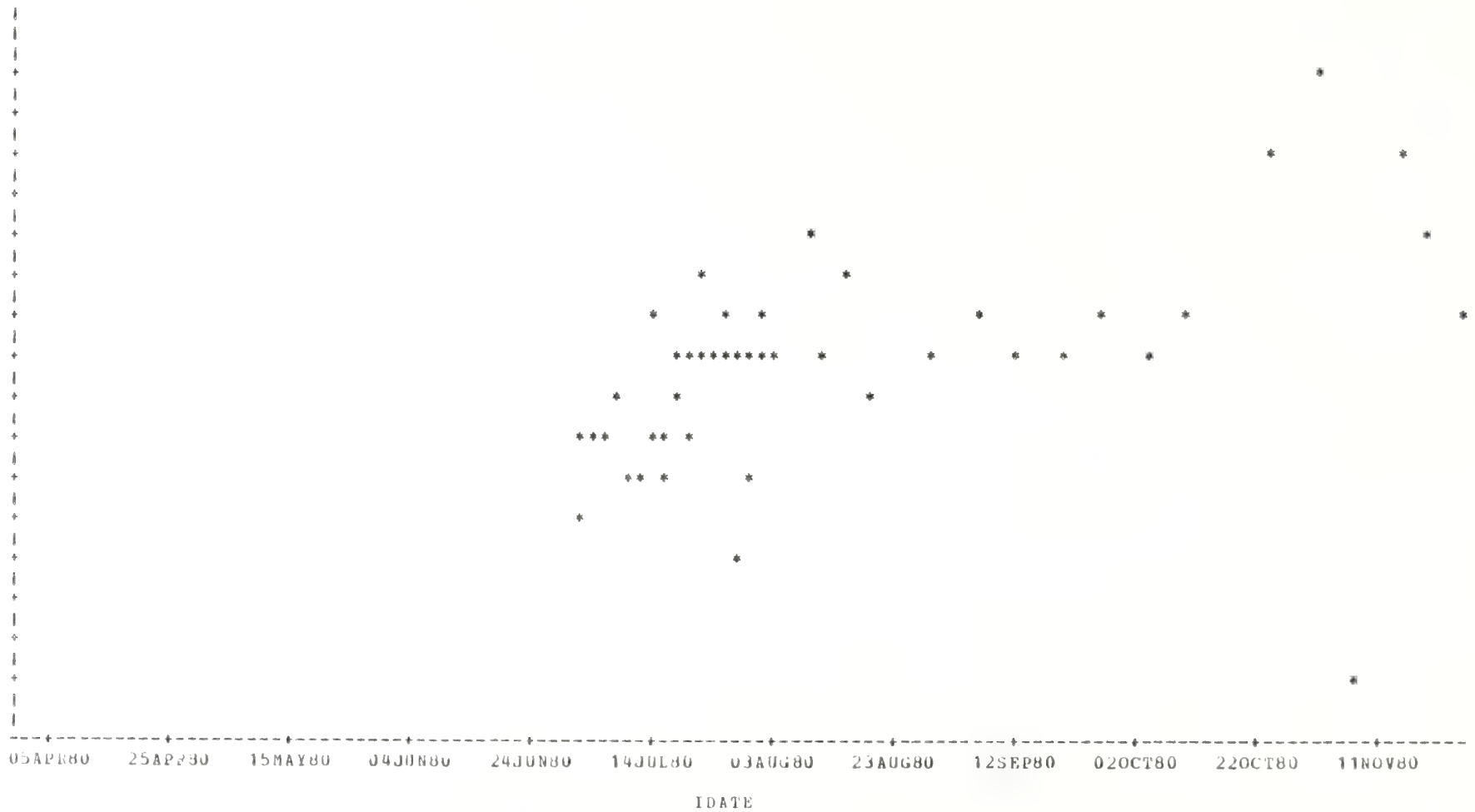


NOTE: 72 OBS HAD MISSING VALUES 10 OBS HIDDEN



NOTE: 72 OBS HAD MISSING VALUES 6 OBS HIDDEN

DEVELOPMENT ACTIVITIES MONITORING
S1A=YSWPOND-1 RPTYR=80



NOTE: 72 OBS HAD MISSING VALUES 6 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-2 RPTYR=80

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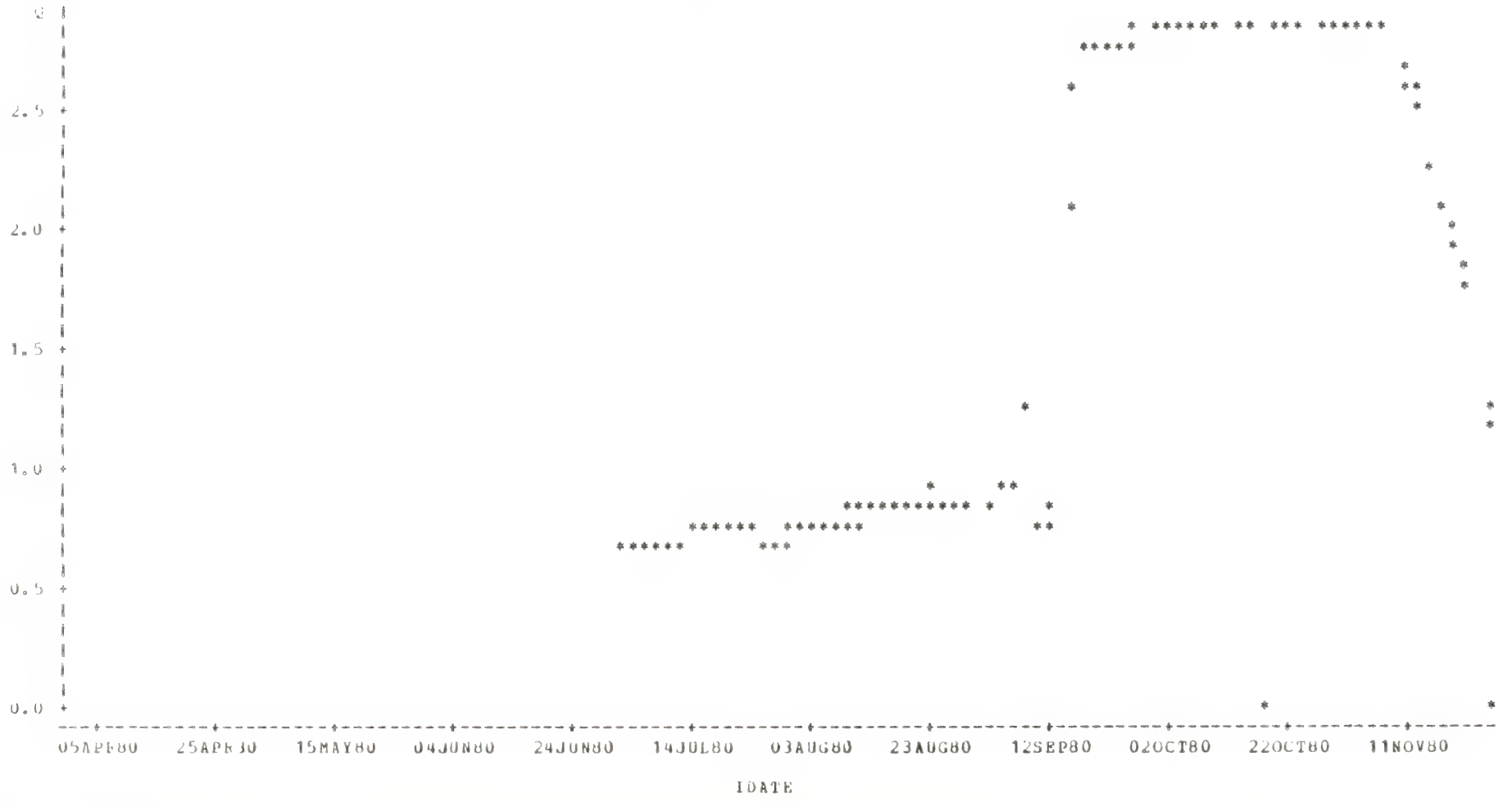
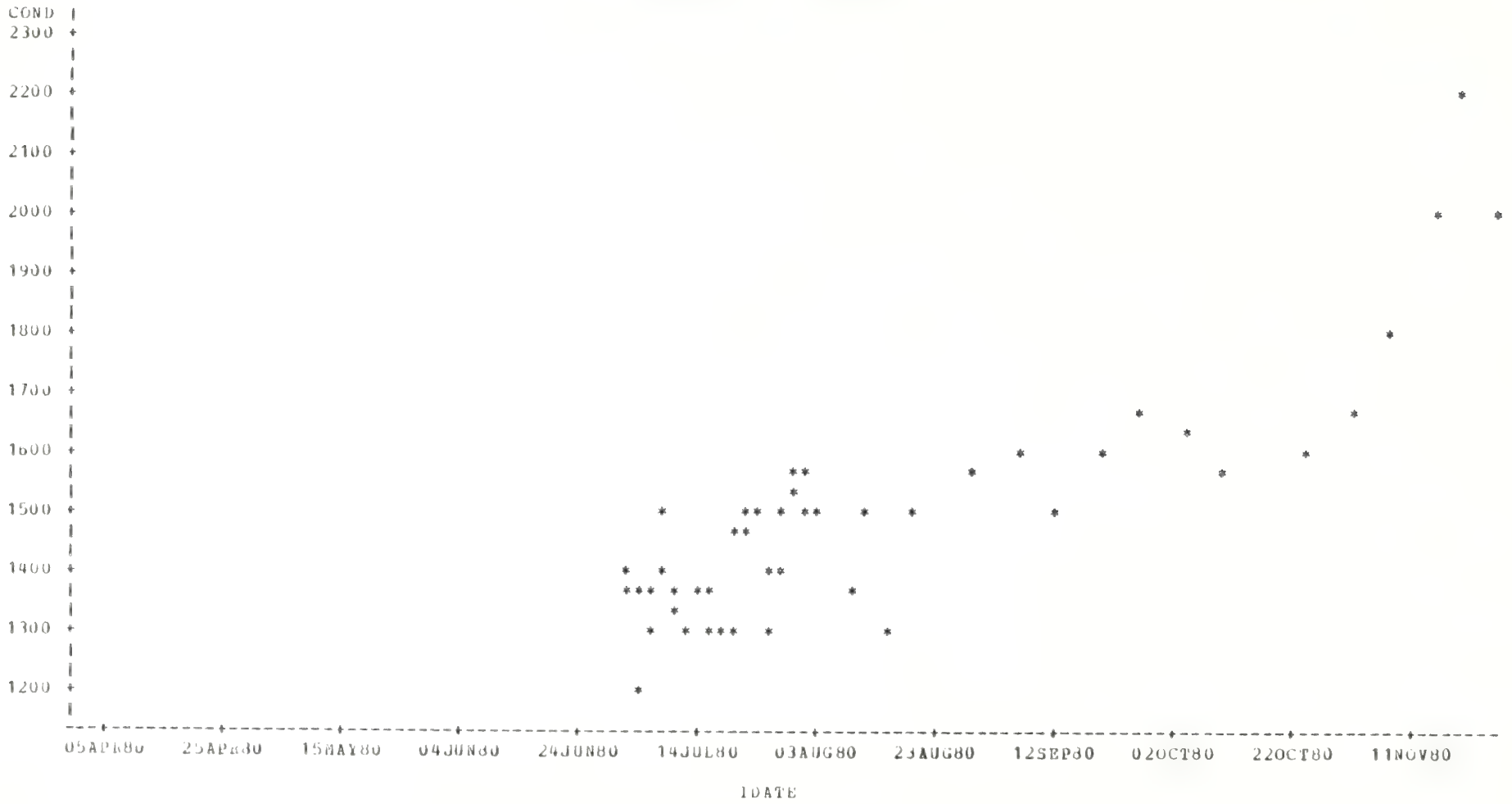


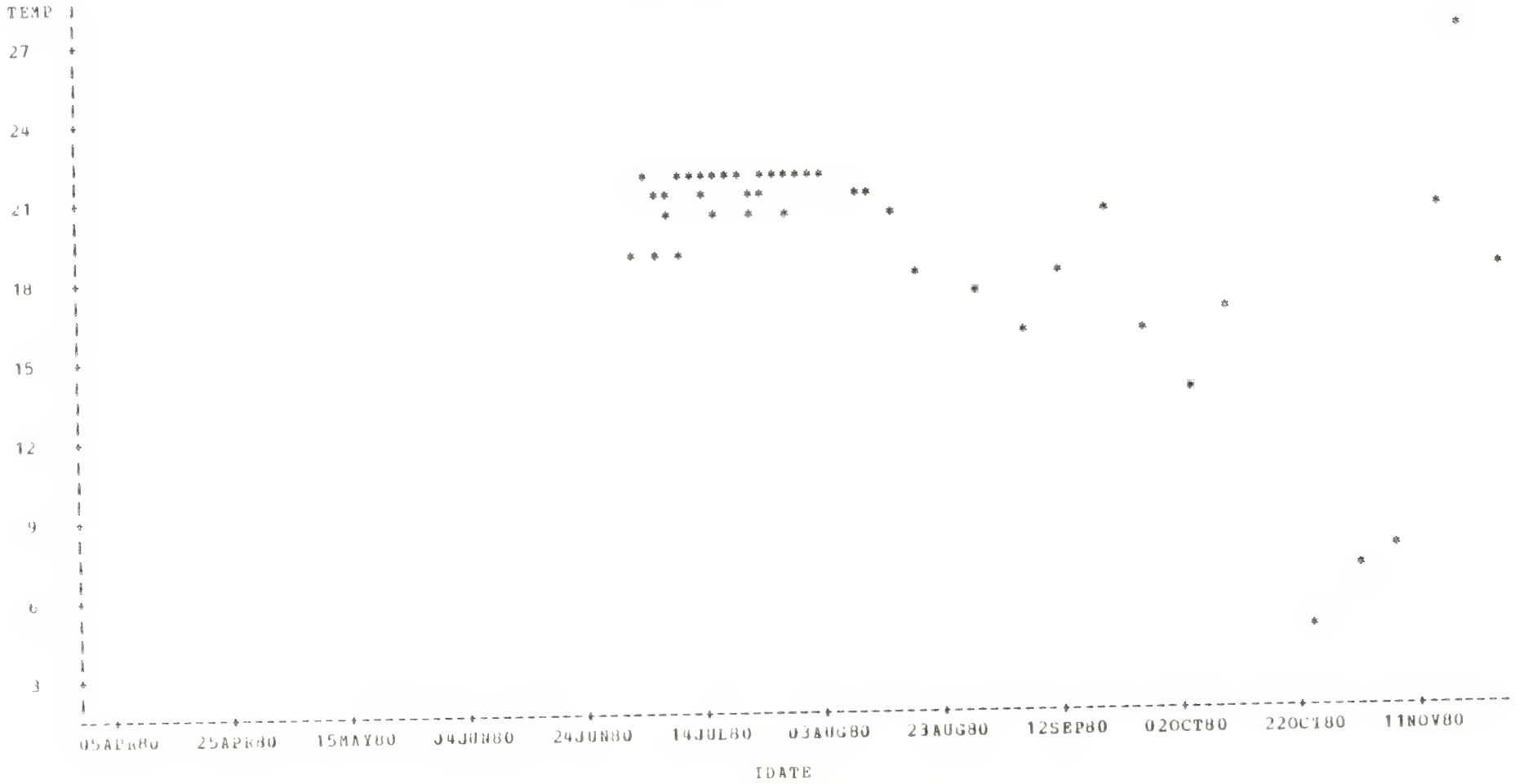
NOTE: 43 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-2 PPTYR=80

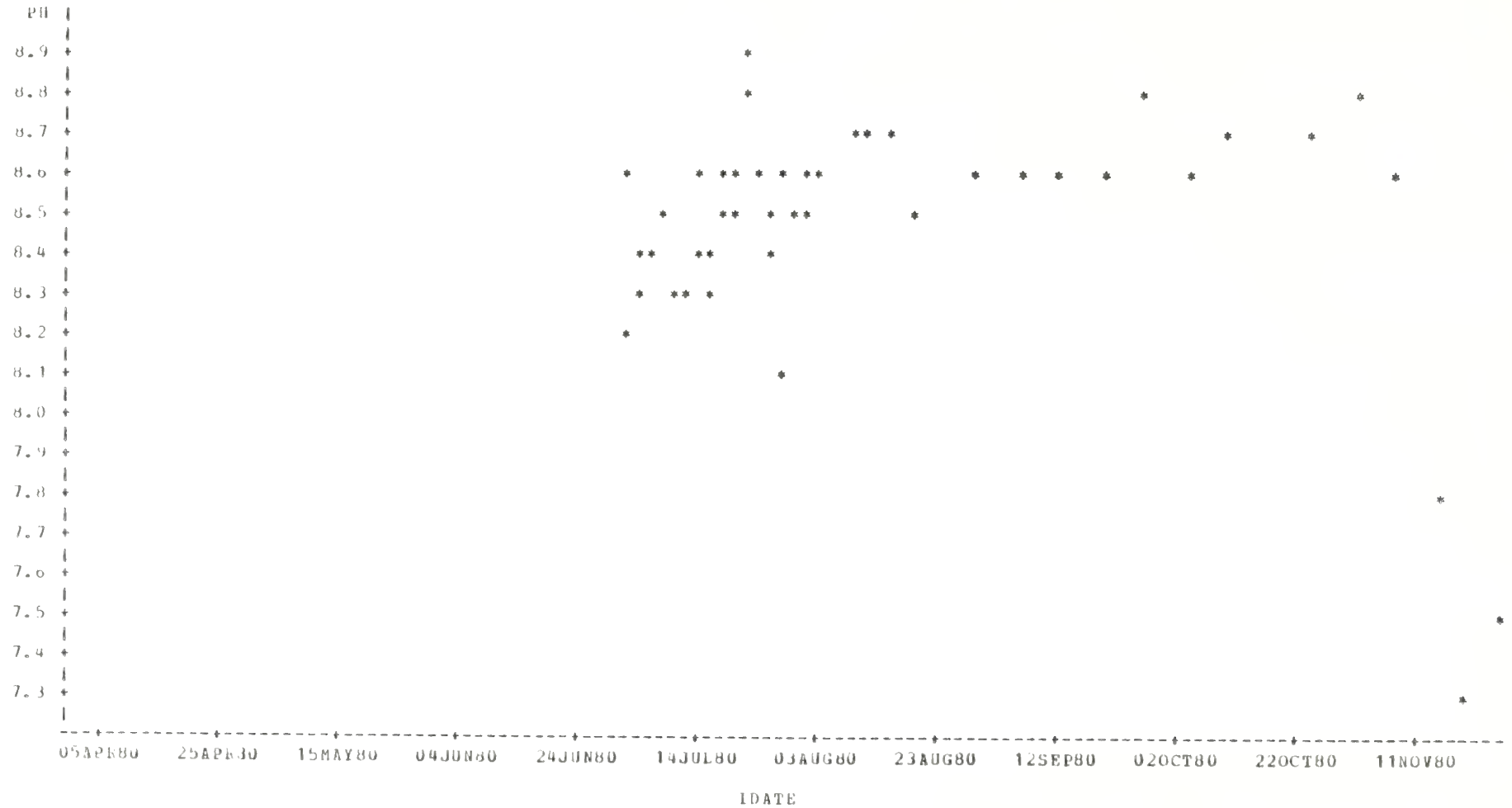


NOTE: 72 OBS HAD MISSING VALUES 5 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-2 RPTYR=80

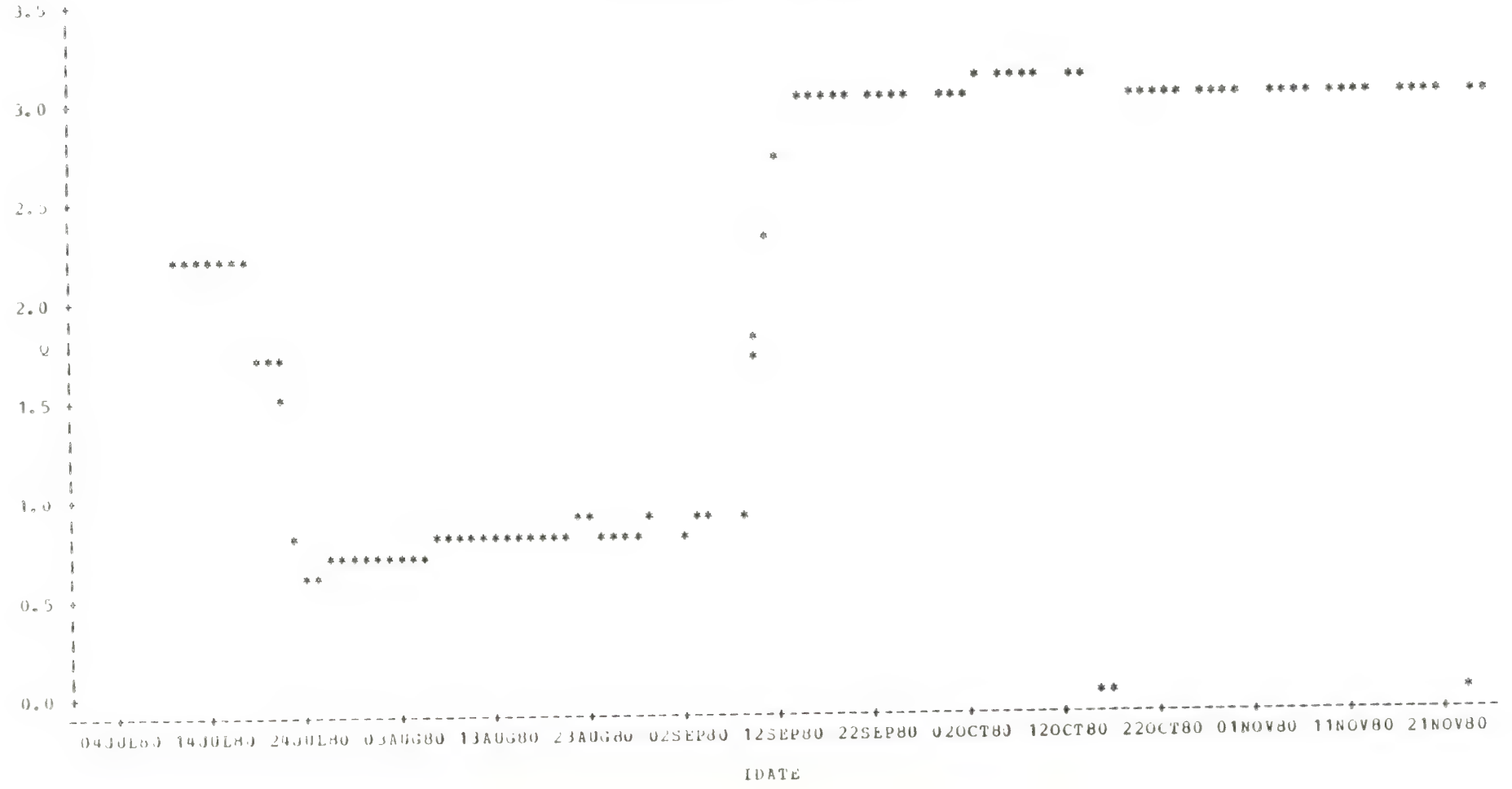


NOTE: 72 OBS HAD MISSING VALUES 9 OBS HIDDEN



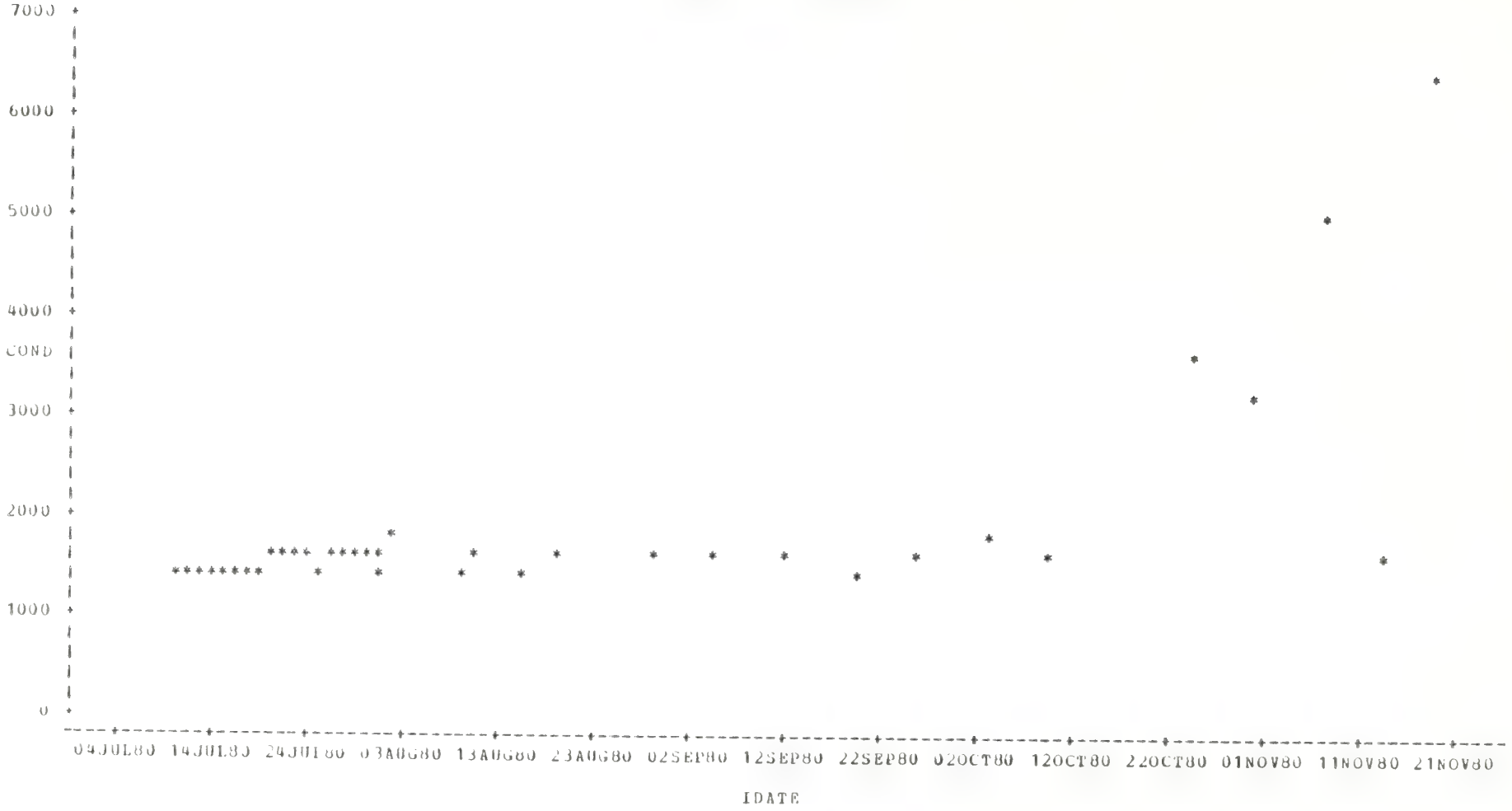
NOTE: 72 OBS HAD MISSING VALUES 7 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-3 RPTYR=80



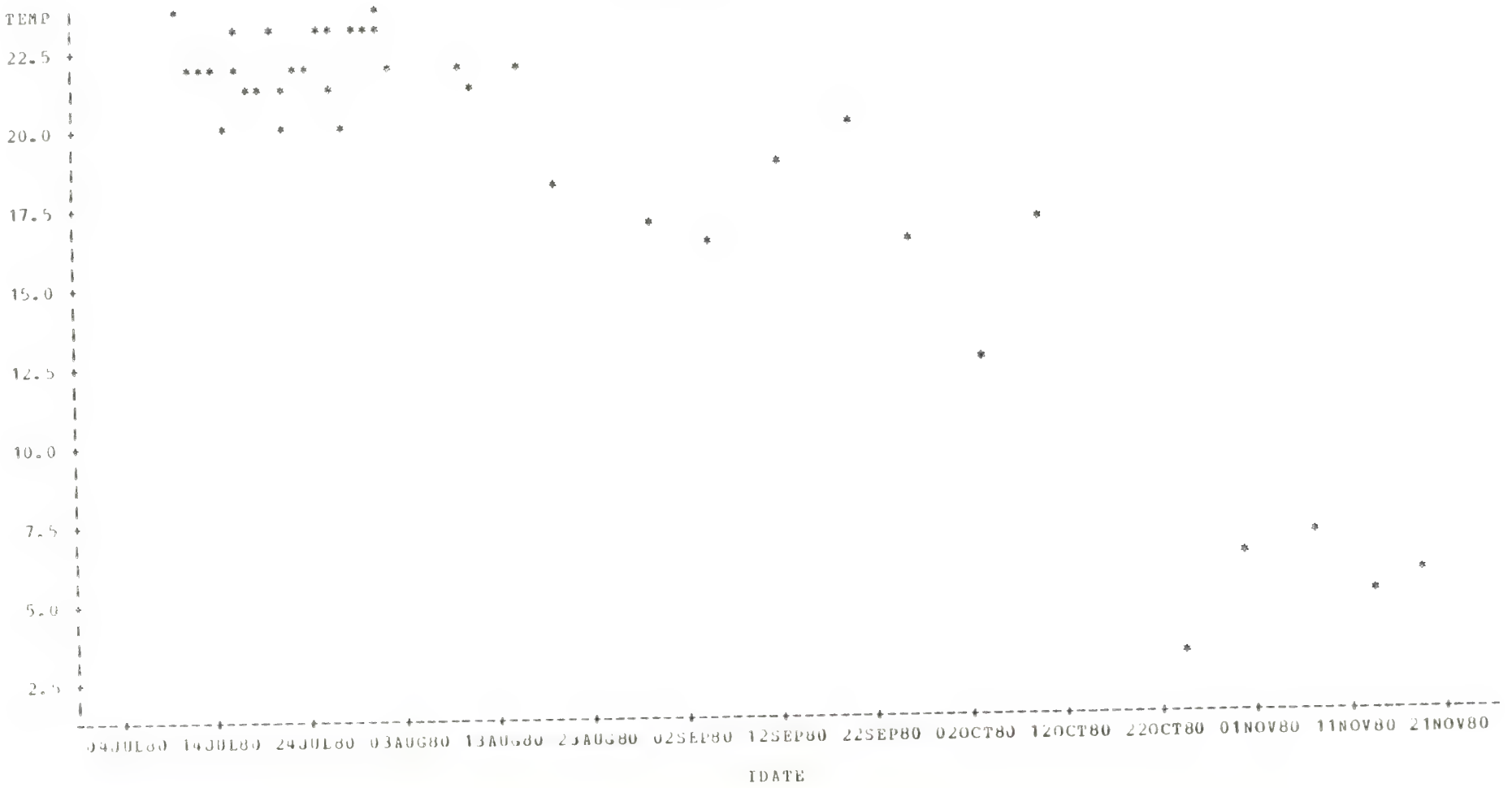
NOTE: 18 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-3 RPTYR=80



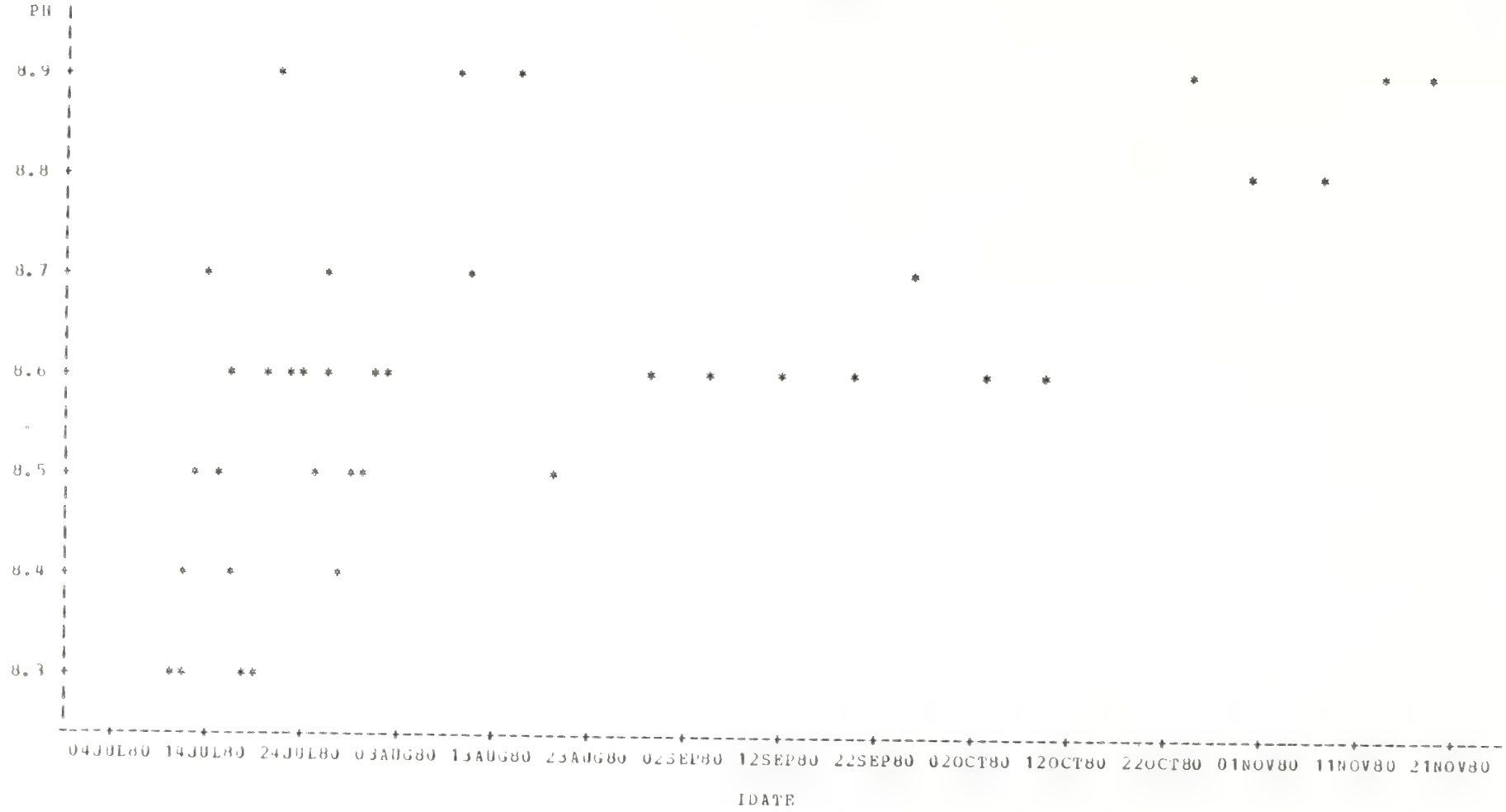
NOTE: 73 OBS HAD MISSING VALUES 4 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-3 RPTYR=80



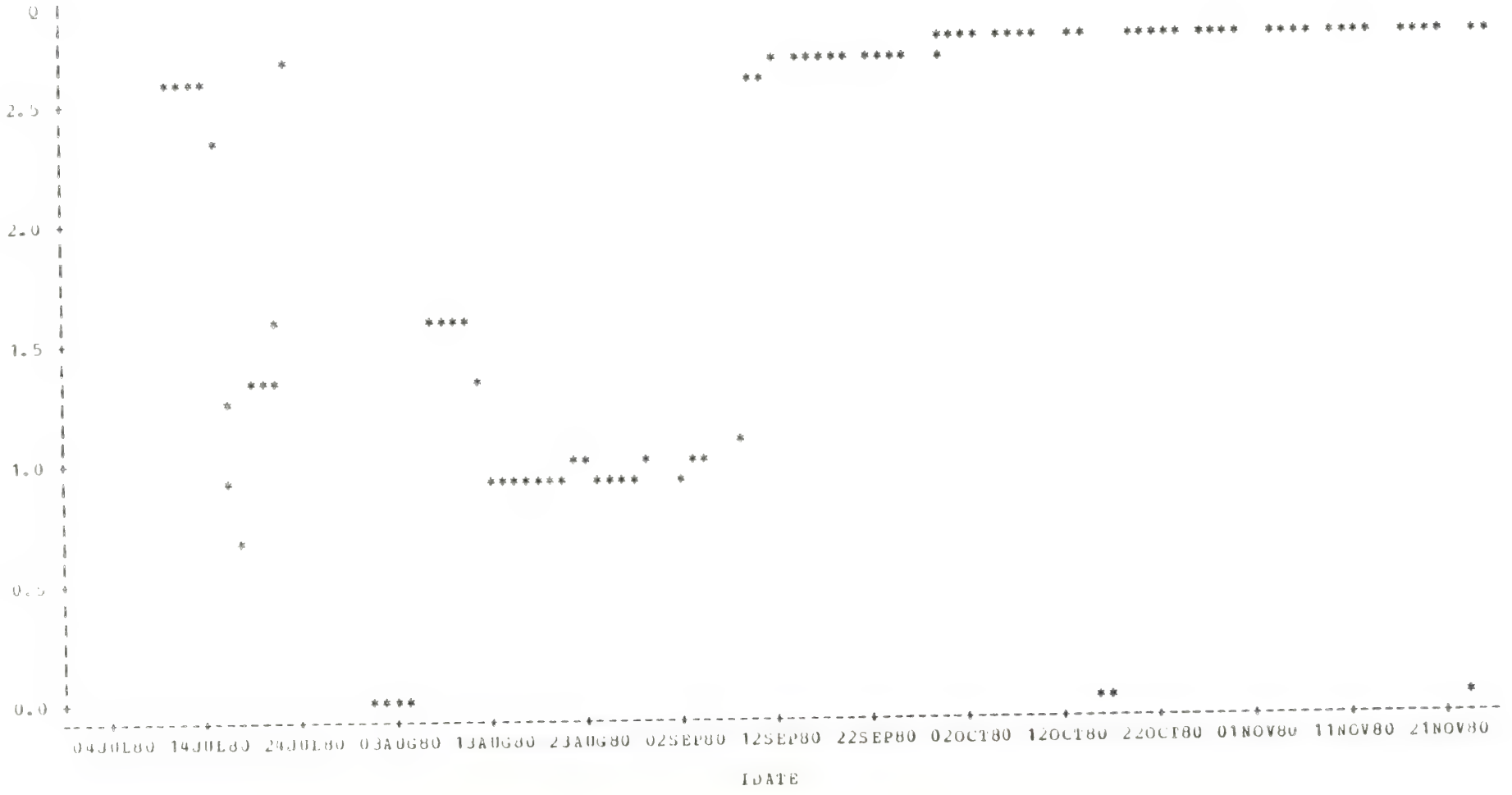
NOTE: 73 OBS HAD MISSING VALUES 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-3 RPTYR=80



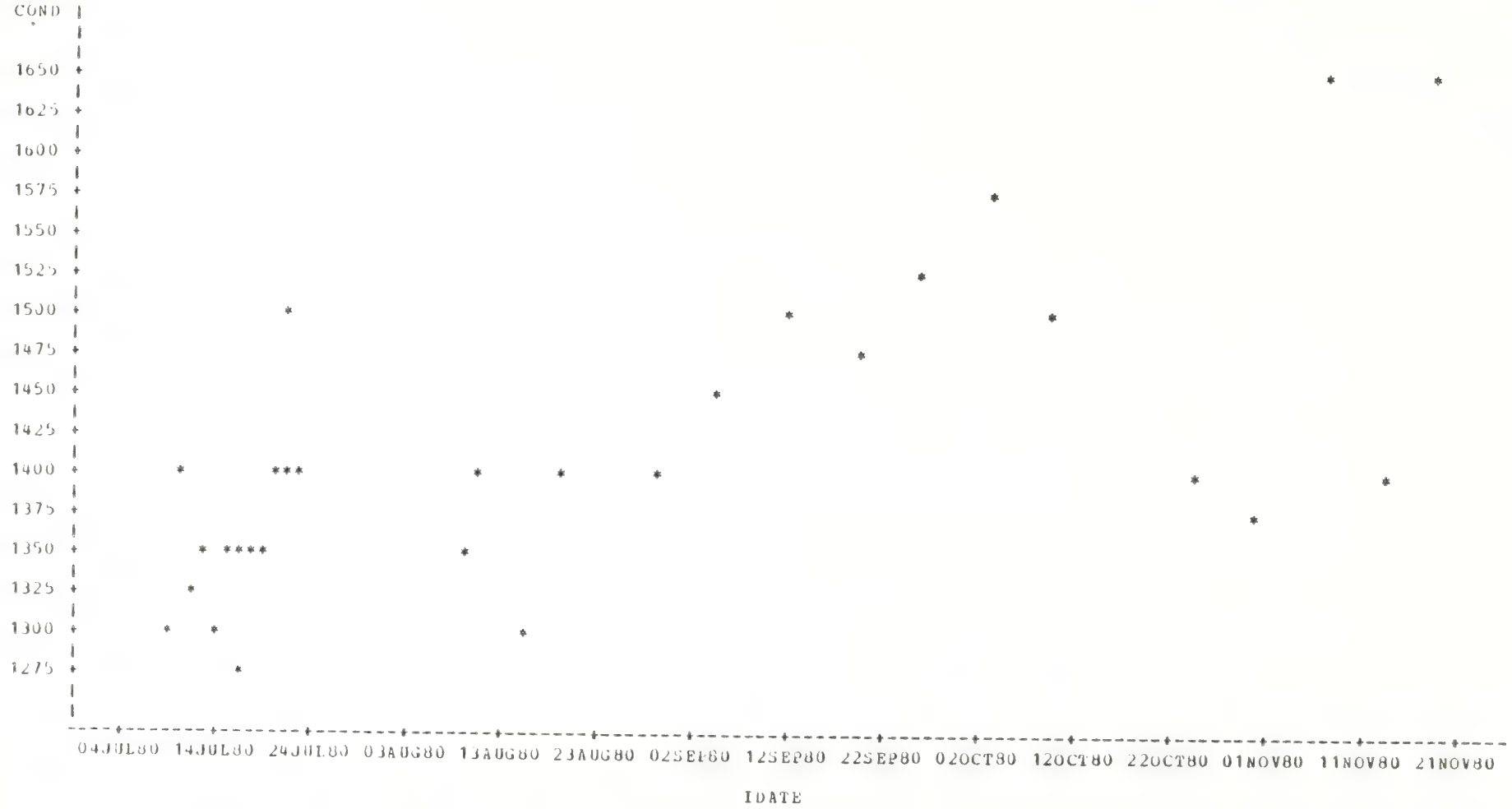
NOTE: 73 OBS HAD MISSING VALUES 2 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-4 RPTYR=80



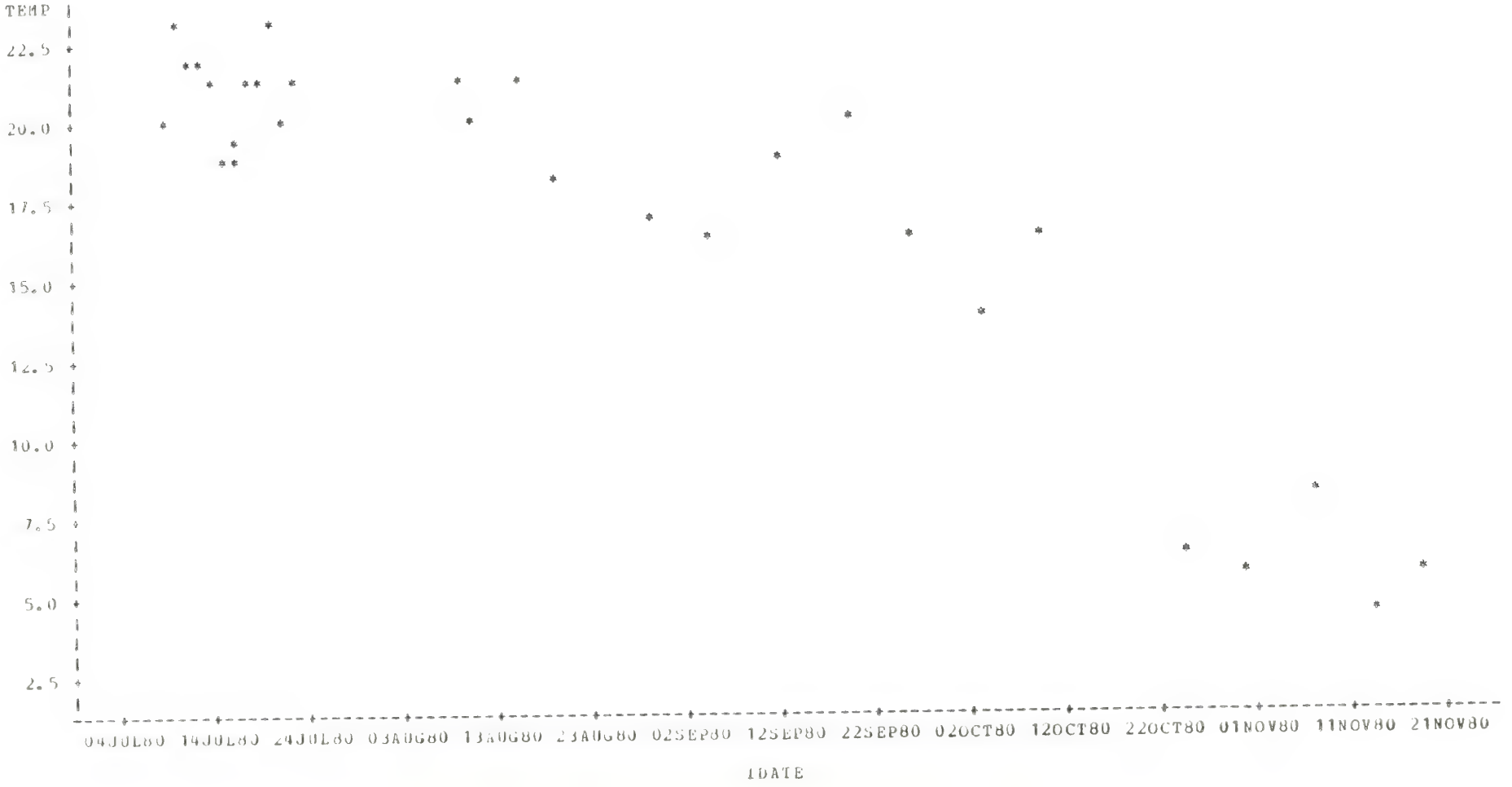
NOTE: 11 OBS HAD MISSING VALUES 14 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-4 RPTYR=80



NOTE: 83 OBS HAD MISSING VALUES 1 OBS HIDDEN

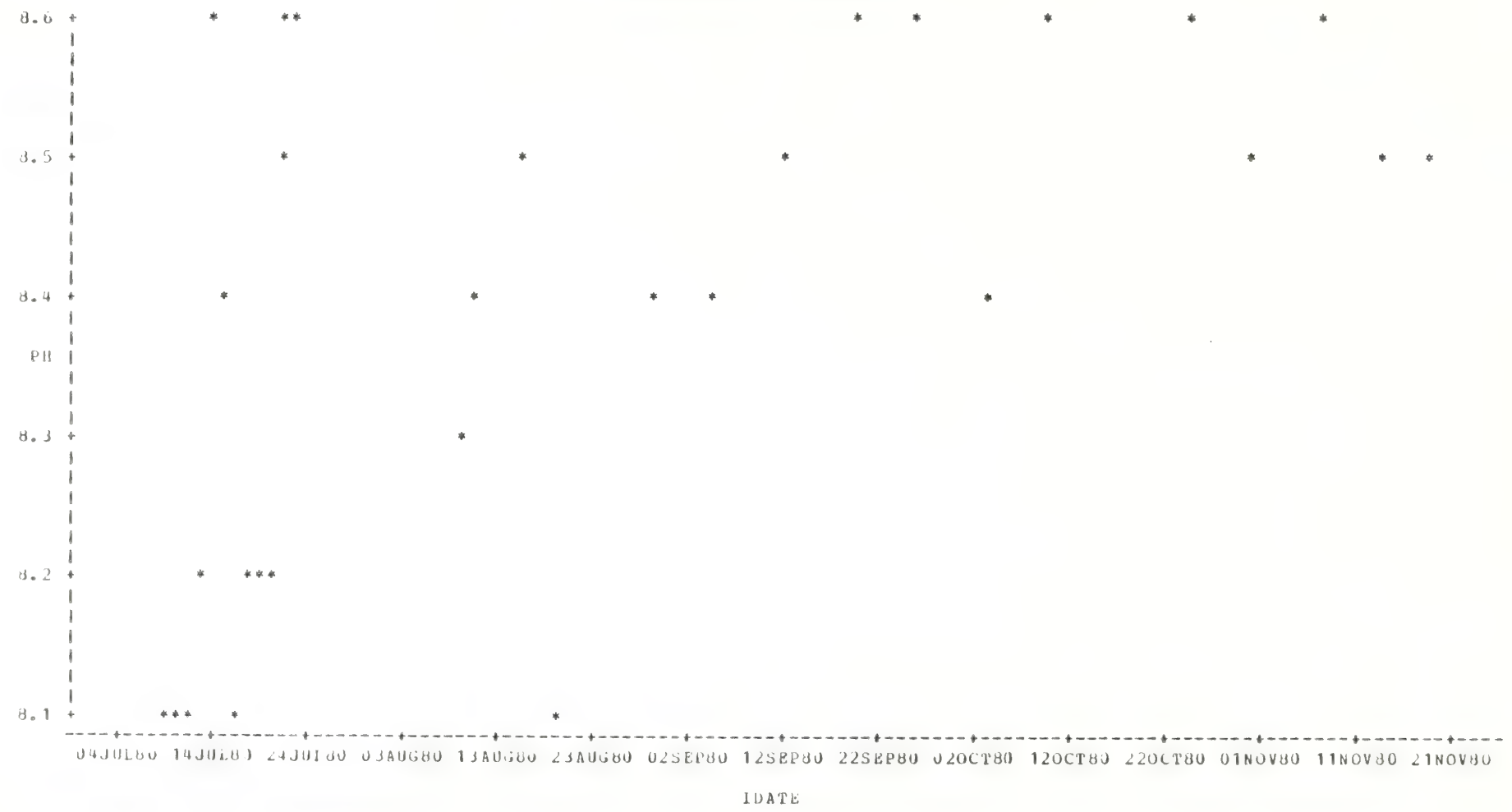
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-4 WPTYR=80



NOTE: 83 OBS HAD MISSING VALUES 2 OBS HIDDEN

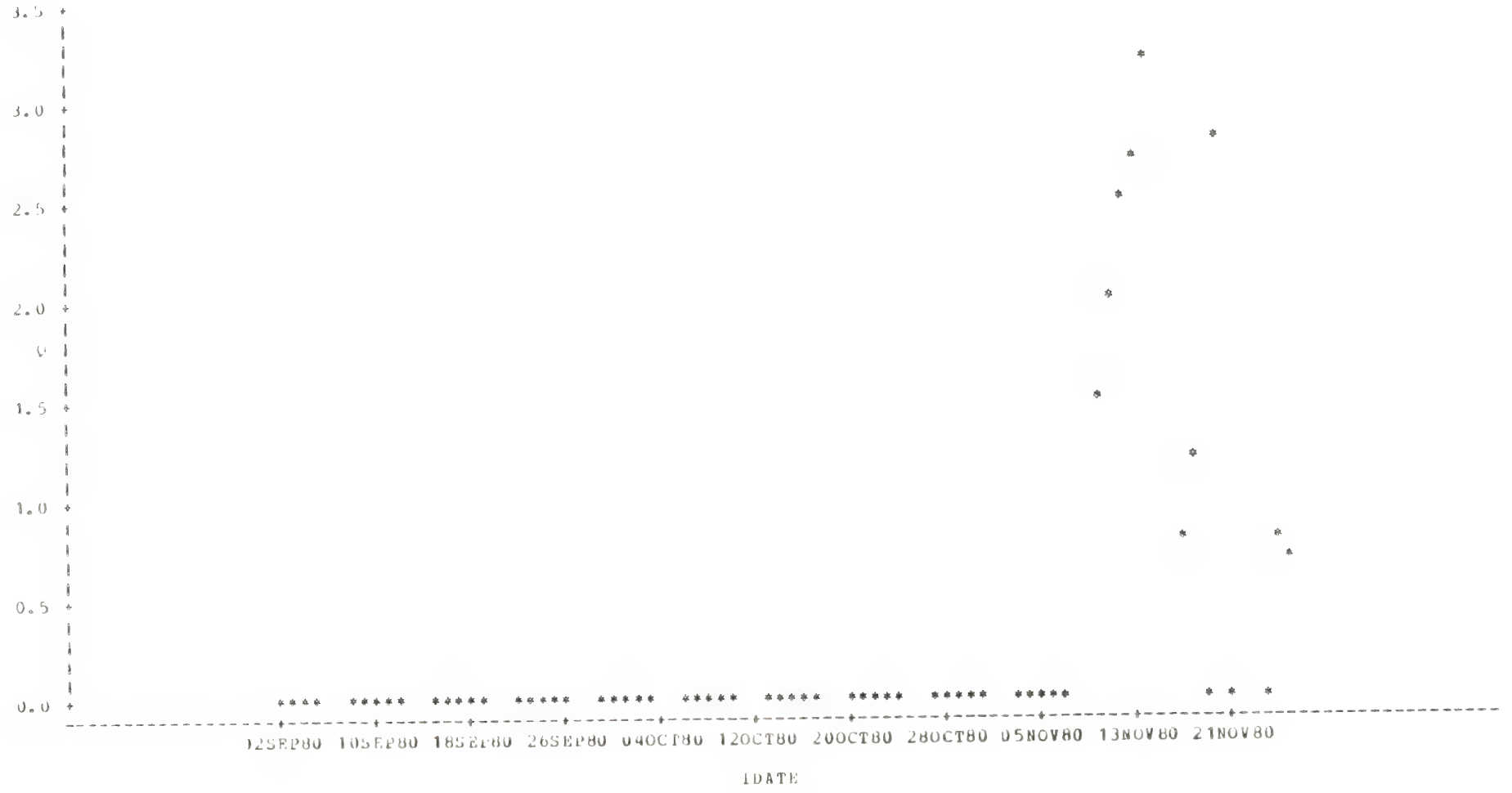
DEVELOPMENT ACTIVITIES MONITORING

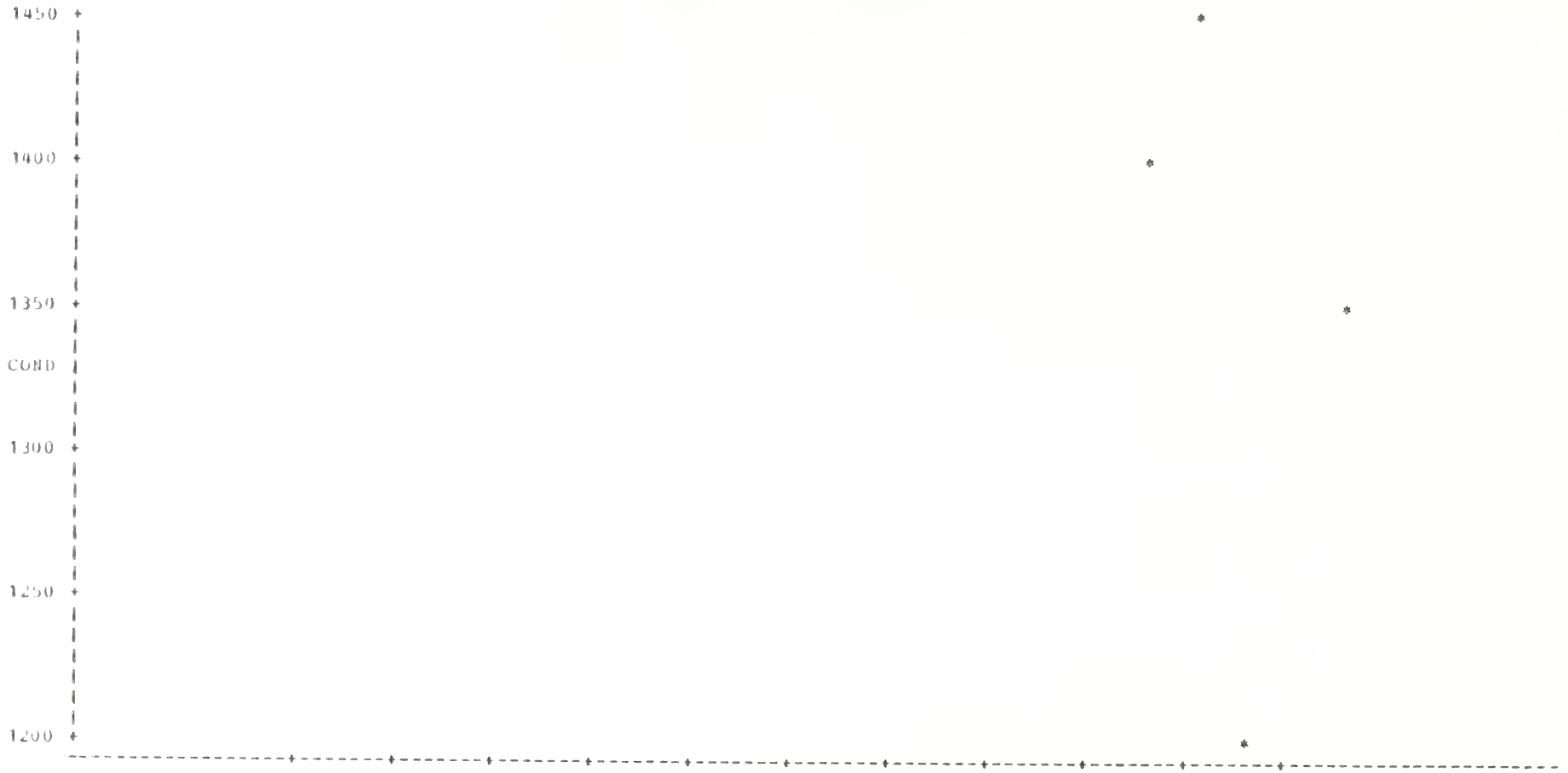
STA=YSWPOND-4 RPTYR=80



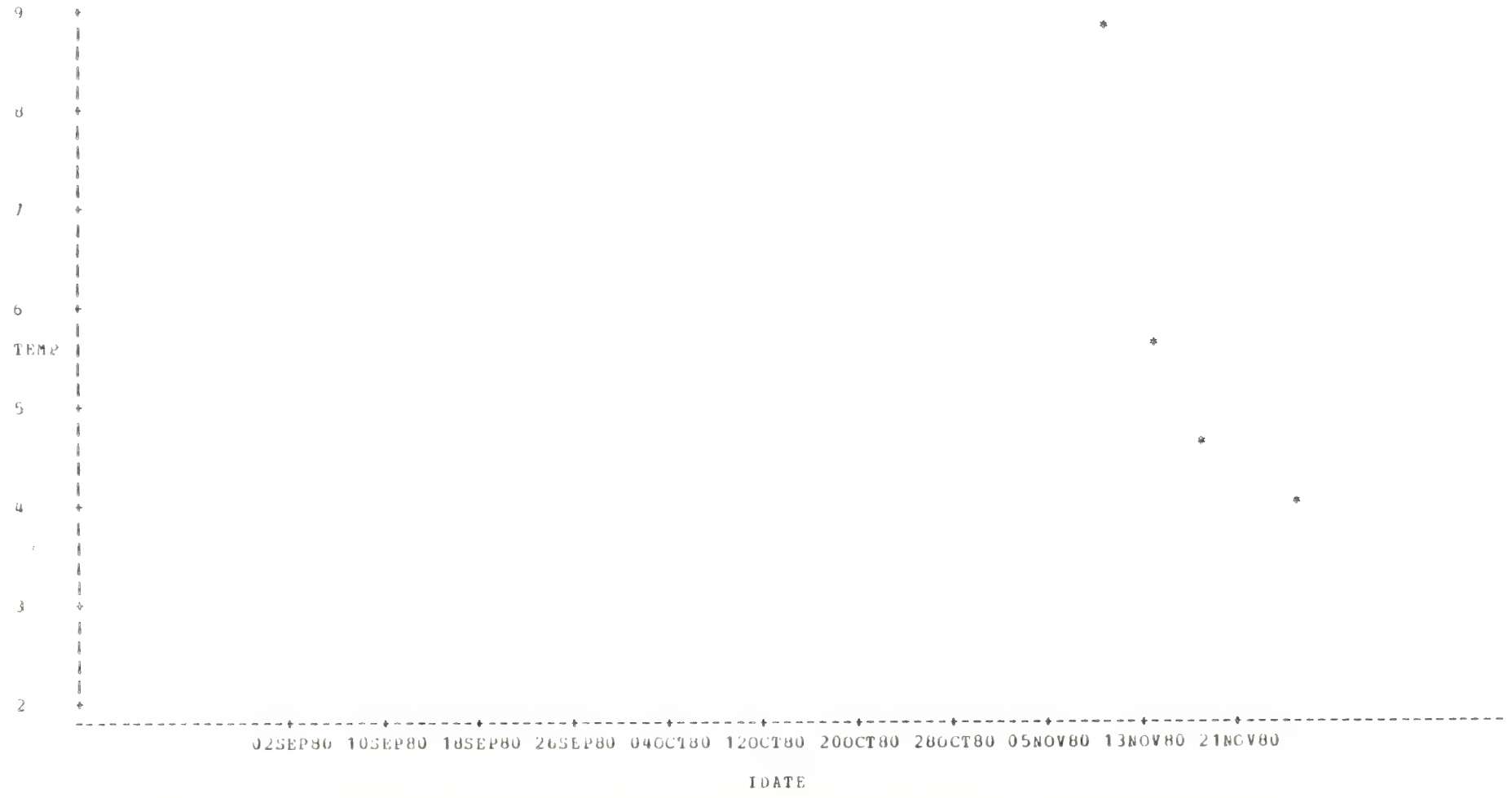
NOTE: 84 OBS HAD MISSING VALUES 2 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-5 RPTYR=80



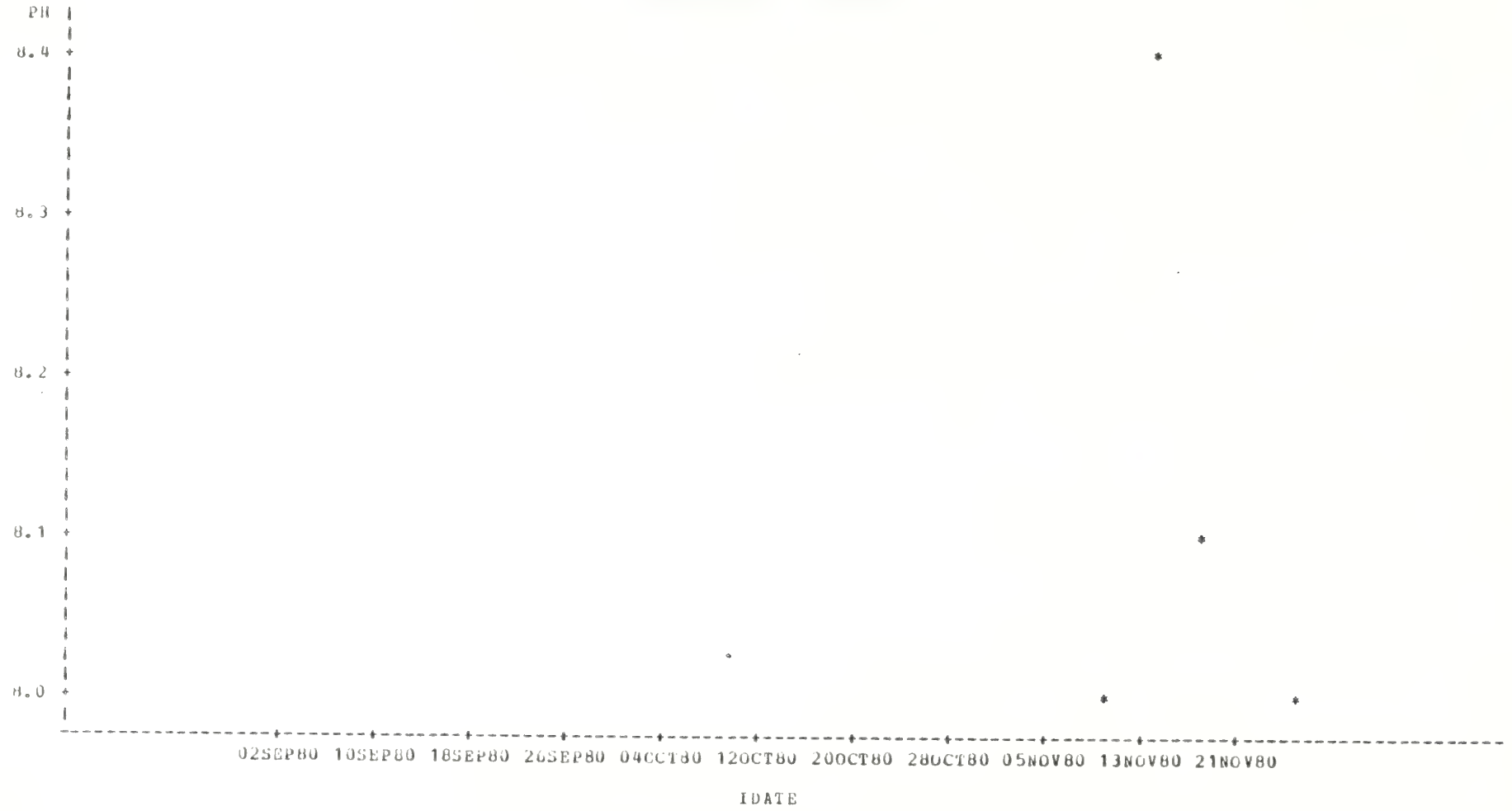


NOTE: 58 OBS HAD MISSING VALUES



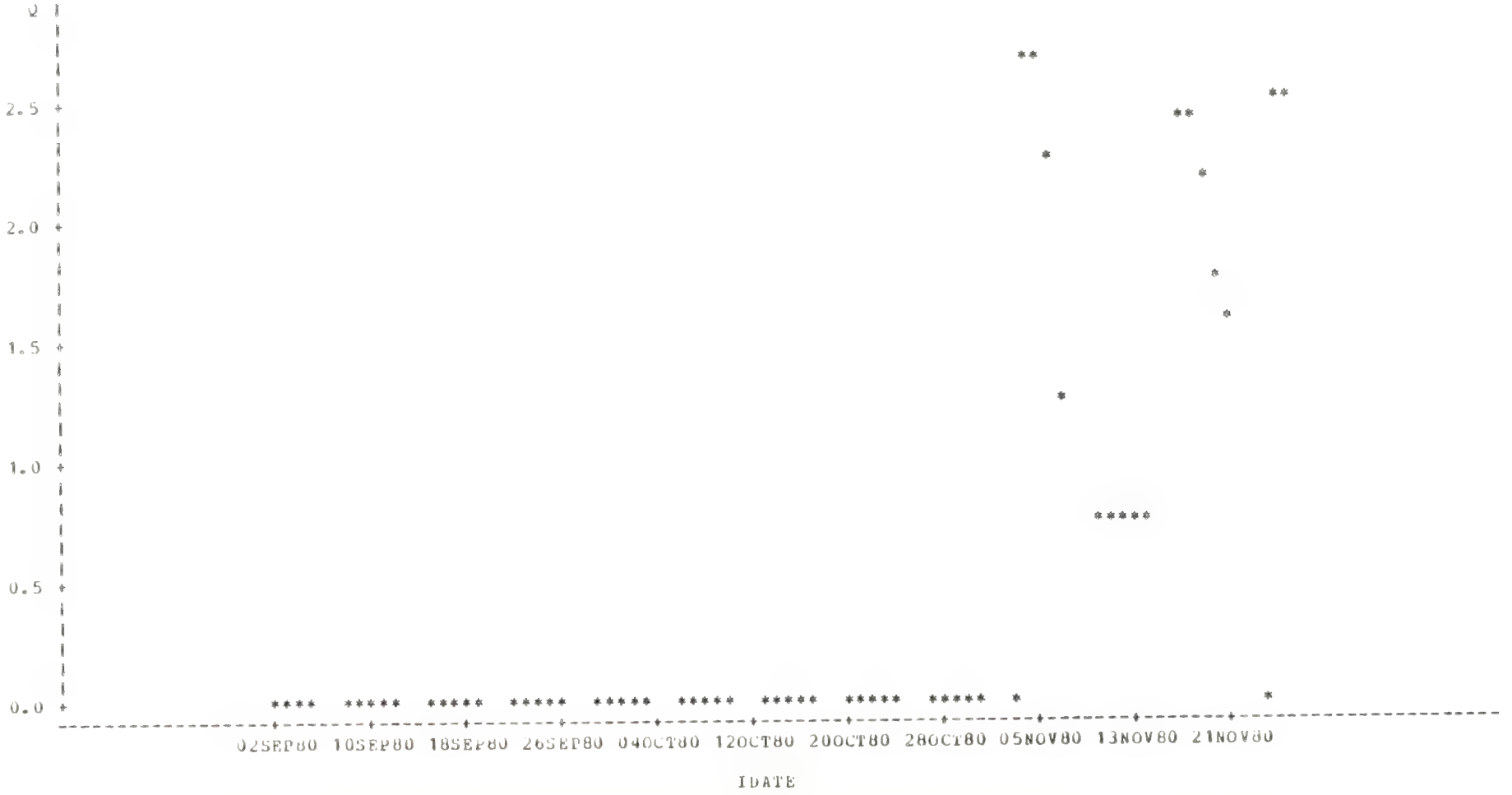
NOTE: 58 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-5 RPTYR=80

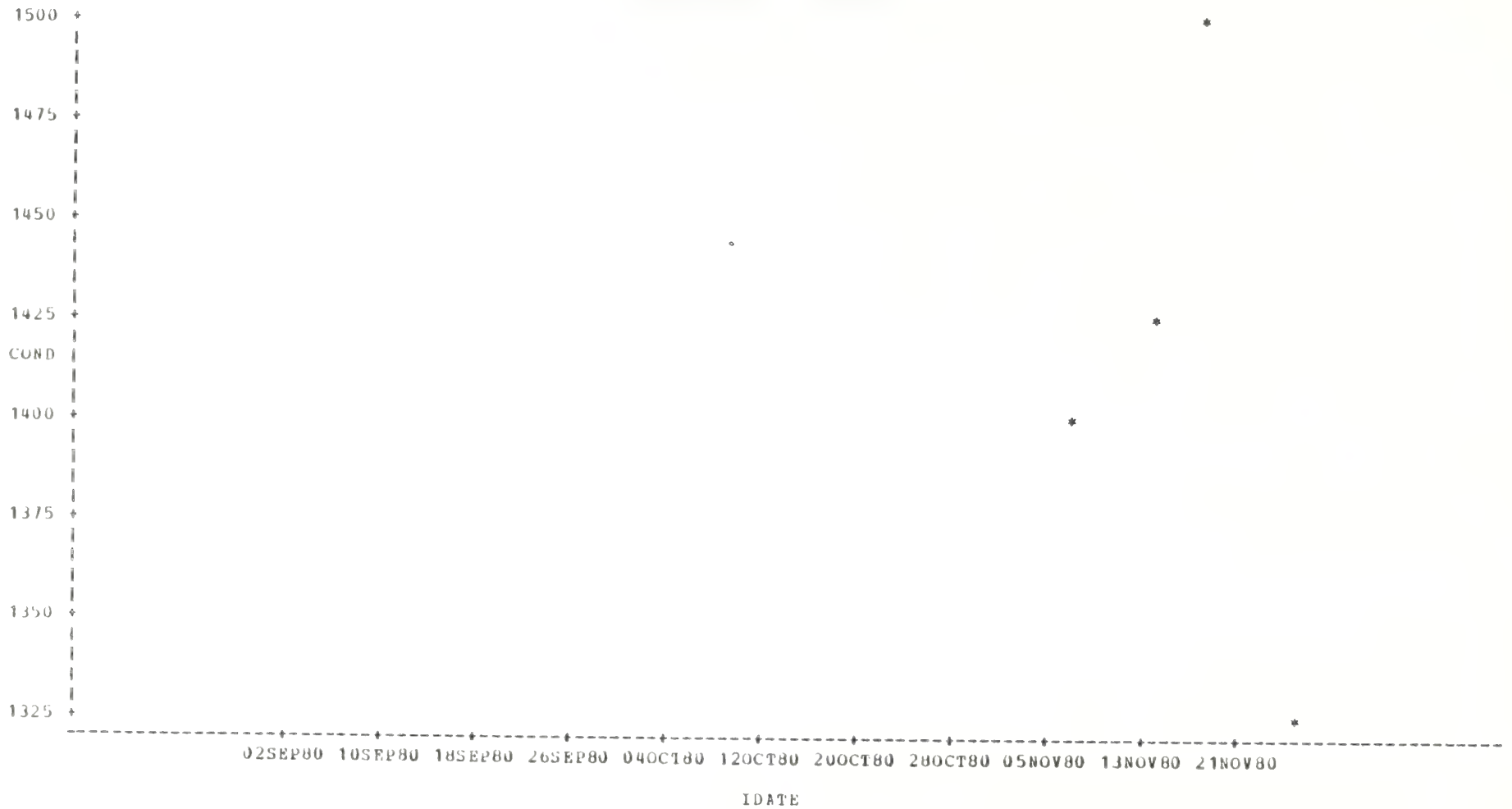


NOTE: 58 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-6 &PTYR=80



RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-6 RPTYR=80

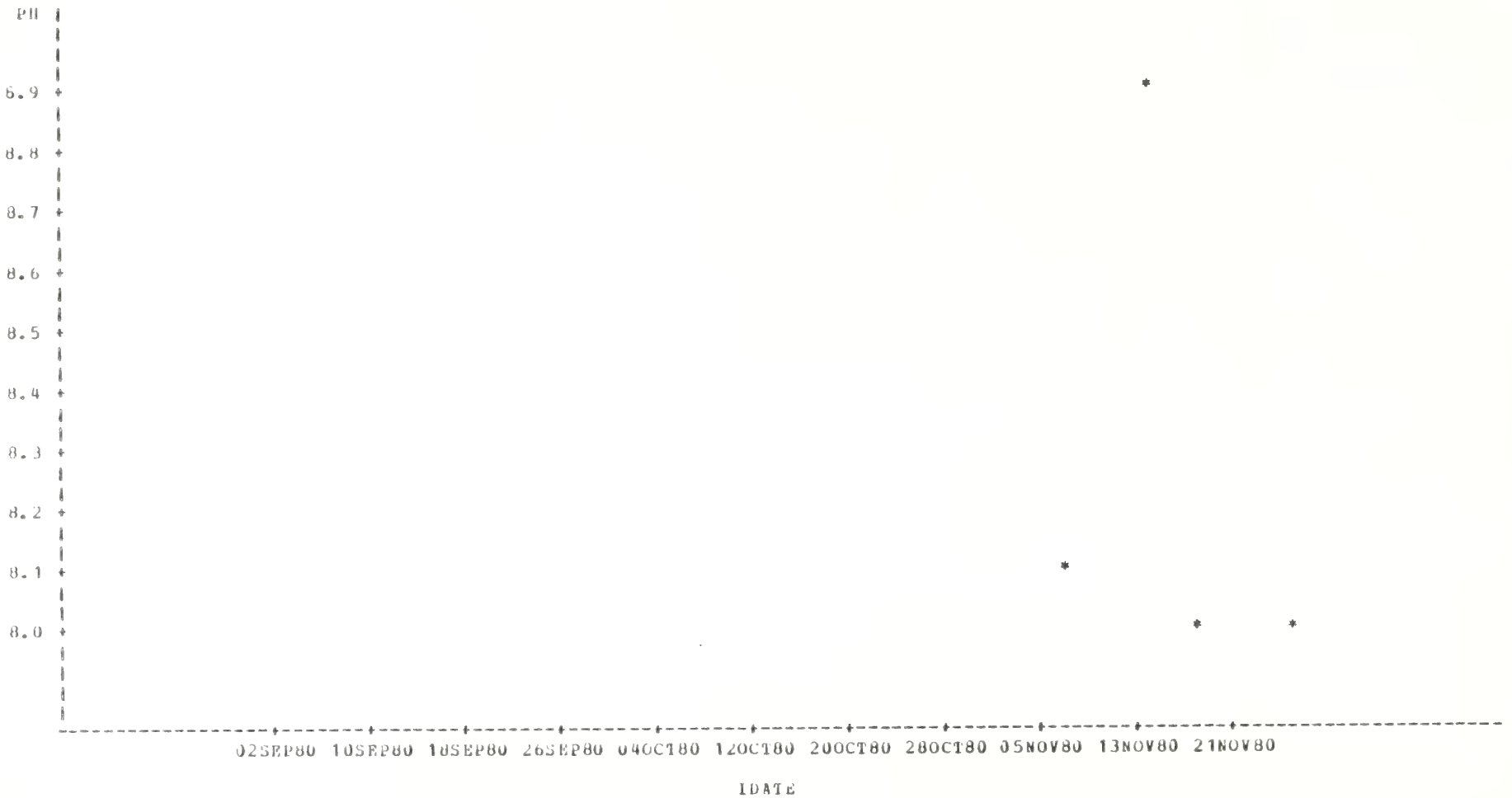


NOTE: 58 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-6 RPTYR=80

NOTE: 58 OBS HAD MISSING VALUES

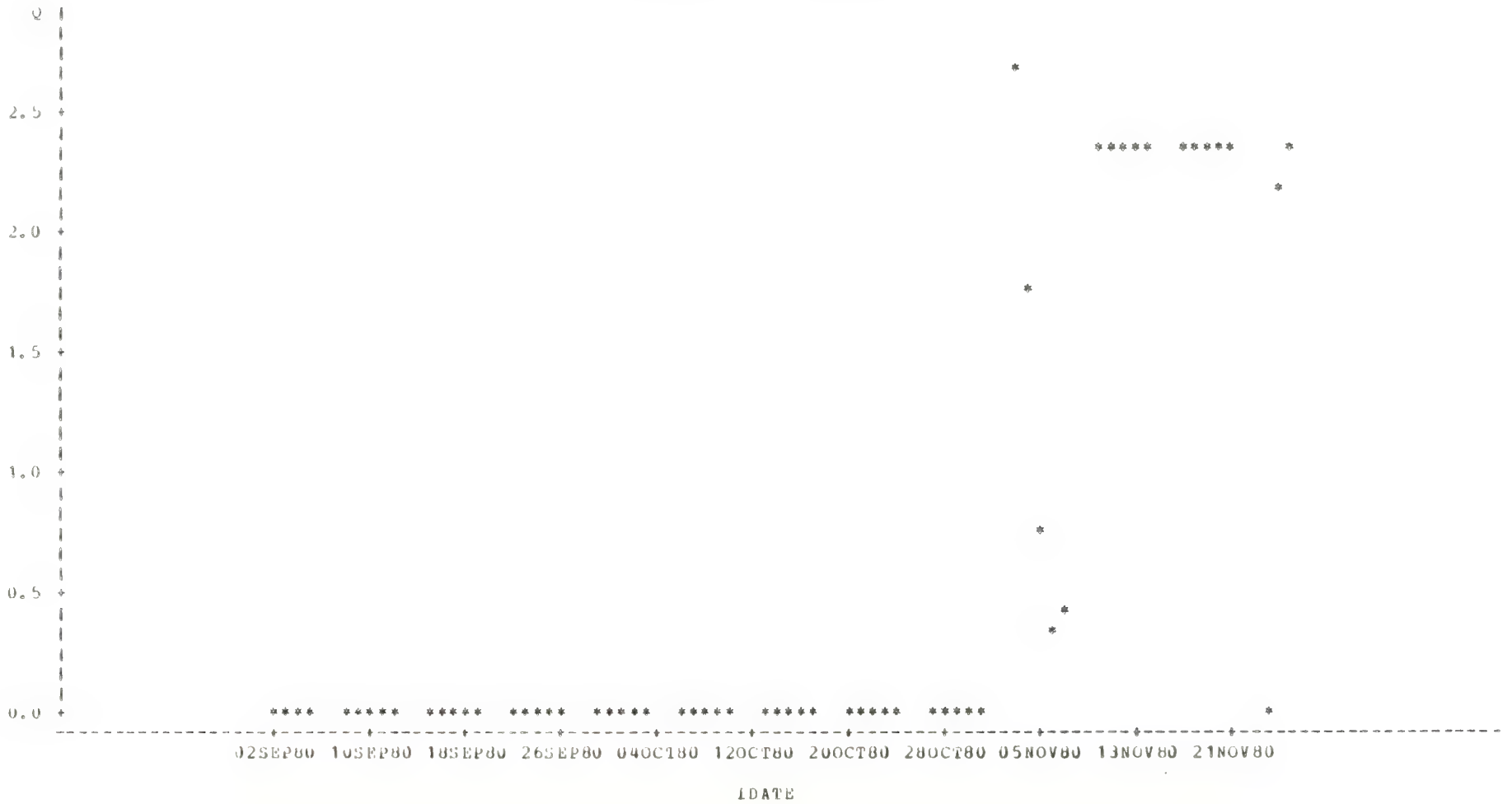
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-6 &PTYR=80



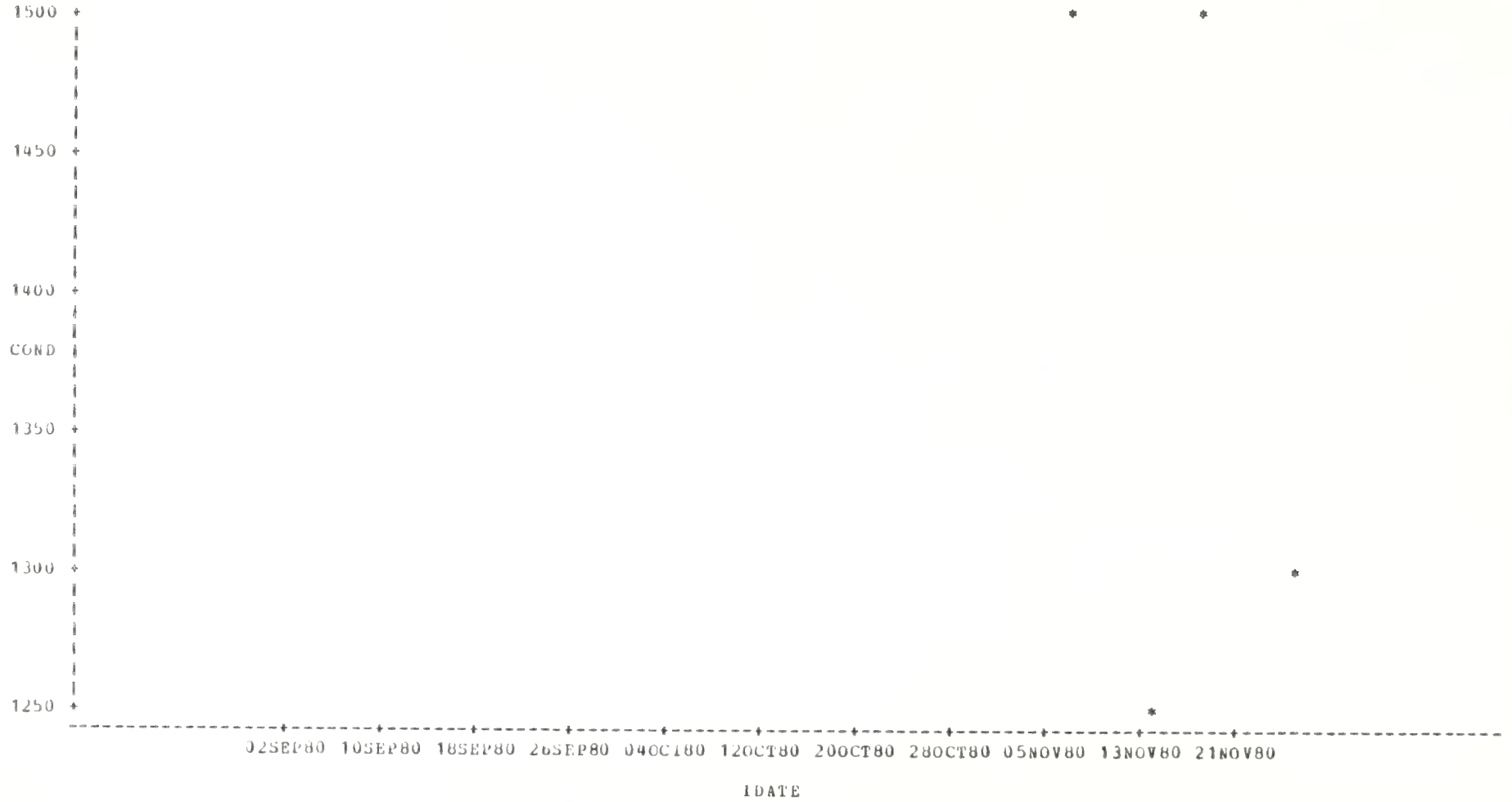
NOTE: 58 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWPOND-7 RPTYR=80

17:42 SATURDAY, MARCH 7, 1981 280



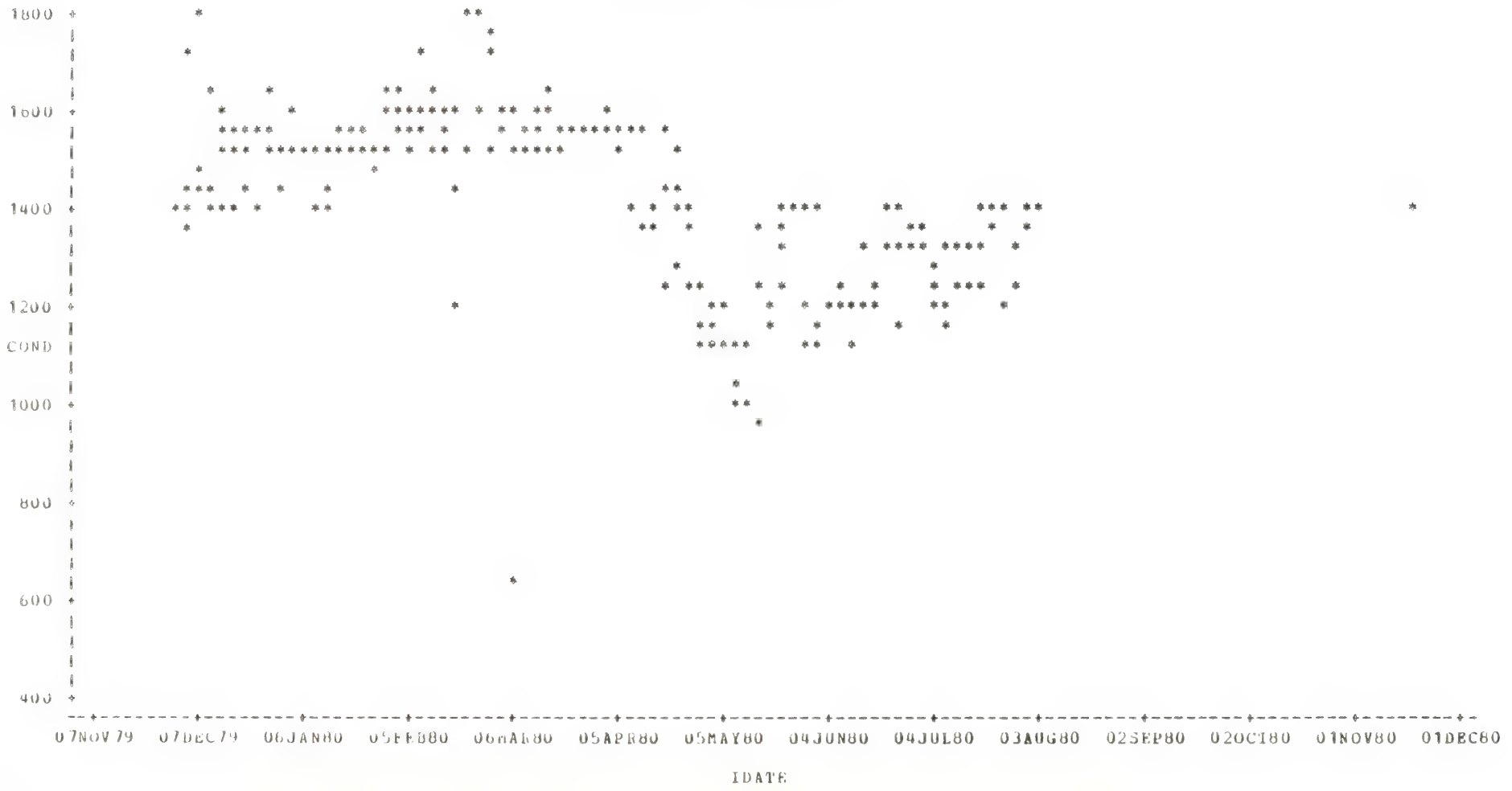
DEVELOPMENT ACTIVITIES MONITORING
STA=YSWEOND-7 RPTYR=80



NOTE: 58 OBS HAD MISSING VALUES

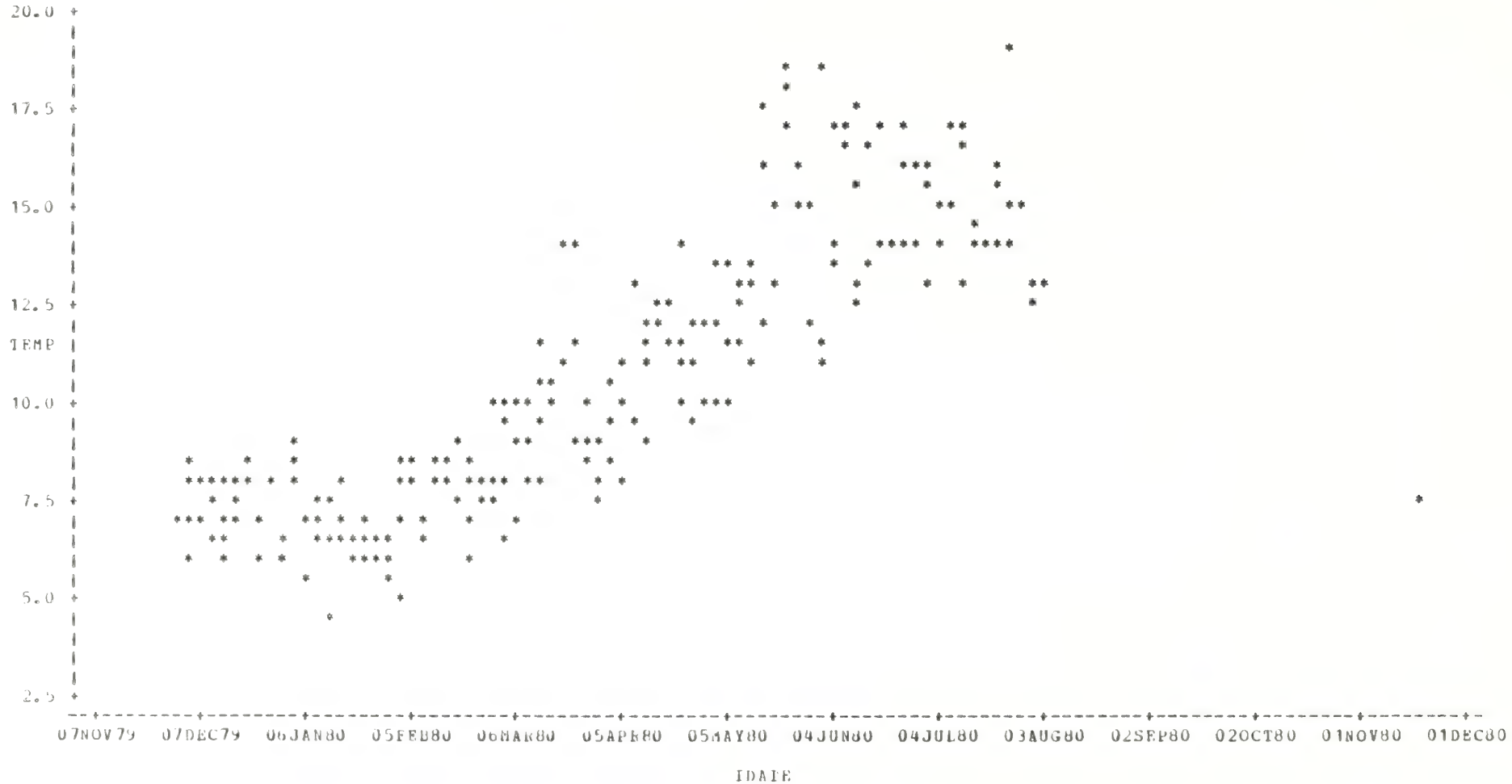
NOTE: 58 OBS HAD MISSING VALUES

NOTE: 58 OBS HAD MISSING VALUES



NOTE: 89 OBS HAD MISSING VALUES 63 OBS HIDDEN

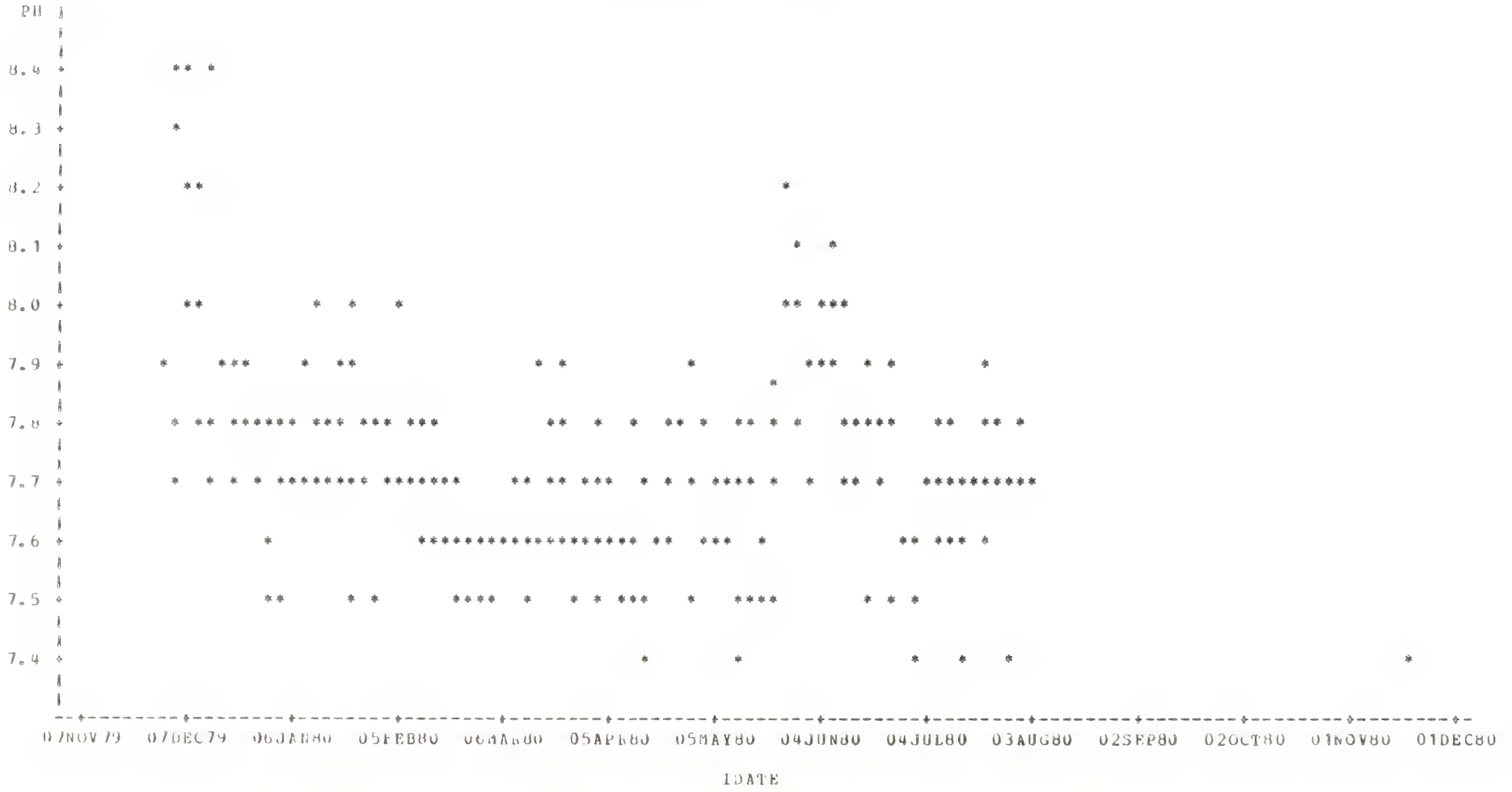
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YBOXFL RPTYR=80



NOTE: 89 OBS HAD MISSING VALUES 50 OBS HIDDEN

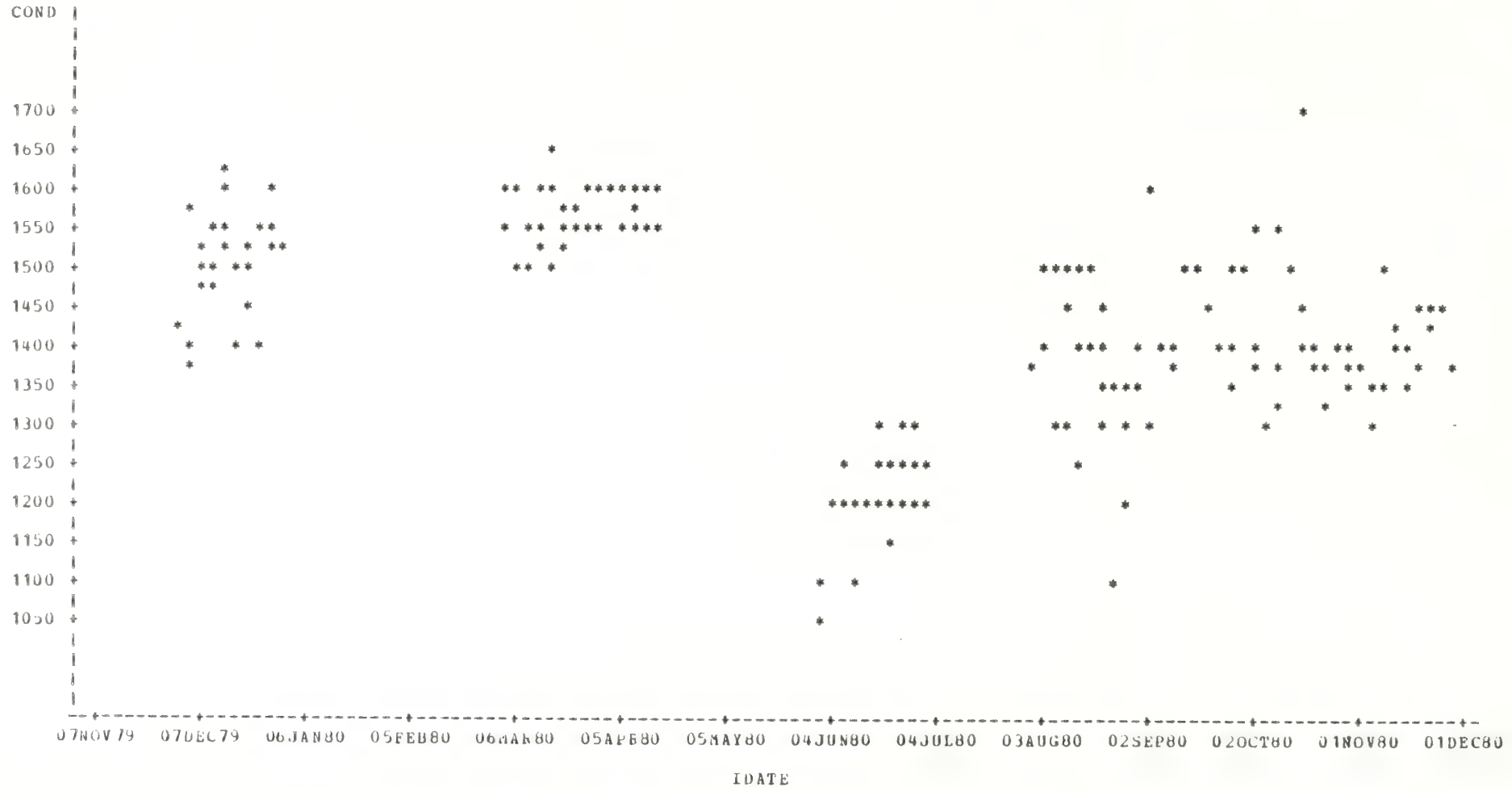
DEVELOPMENT ACTIVITIES MONITORING

S1A=YBOXFL RPTYR=80

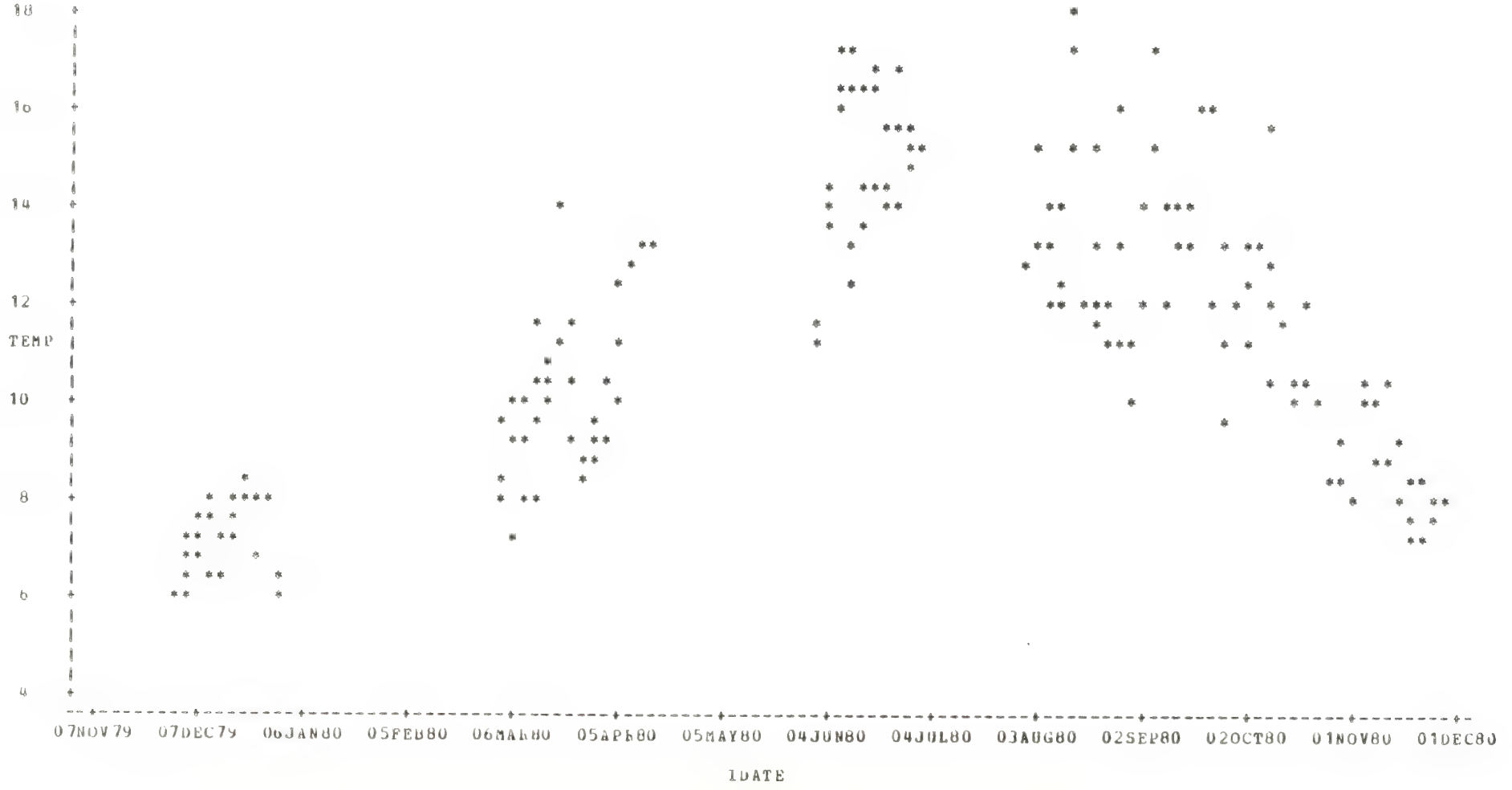


NOTE: 90 OBS HAD MISSING VALUES 59 OBS HIDDEN

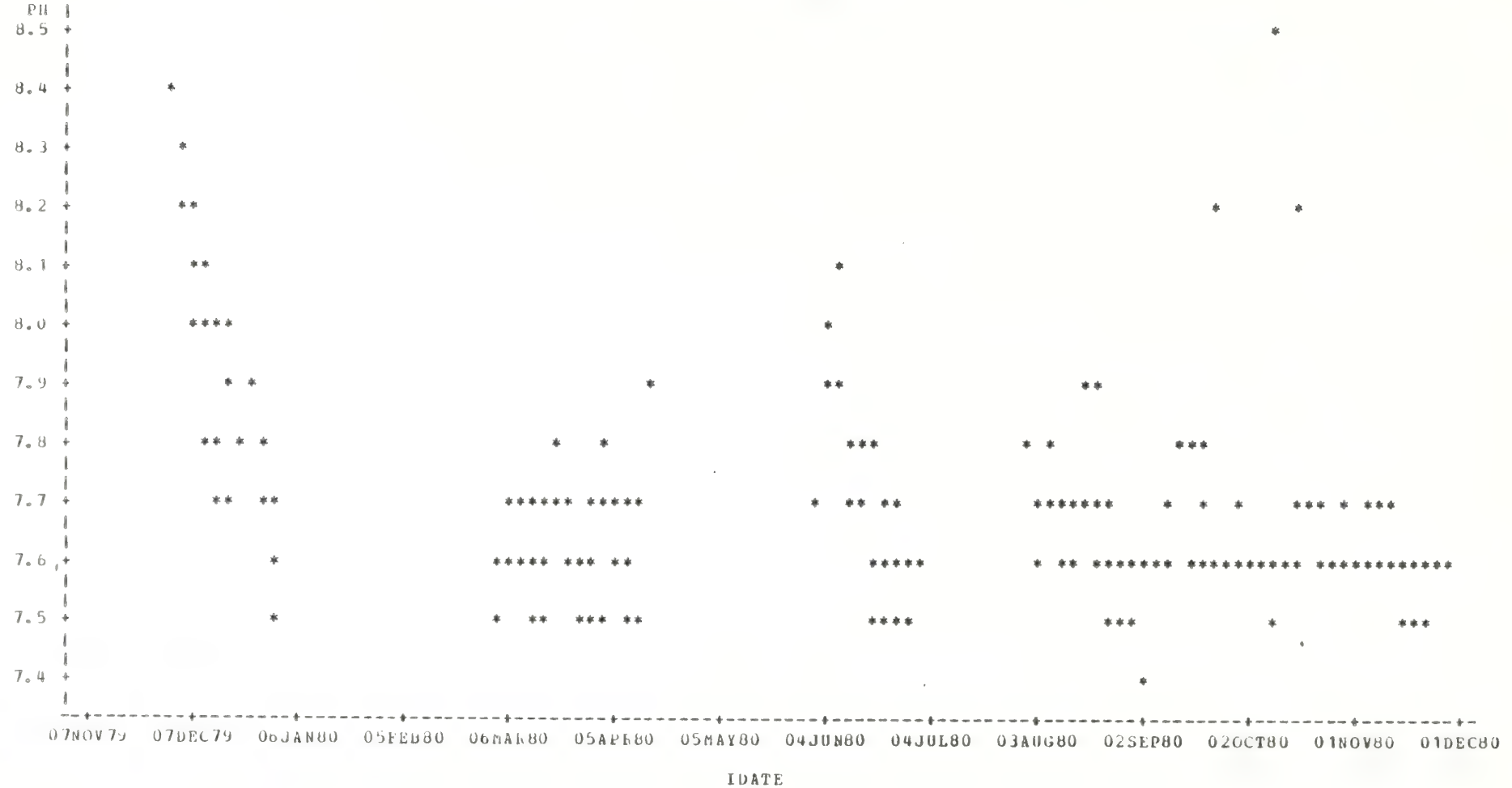
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YMET3 RPTYR=80



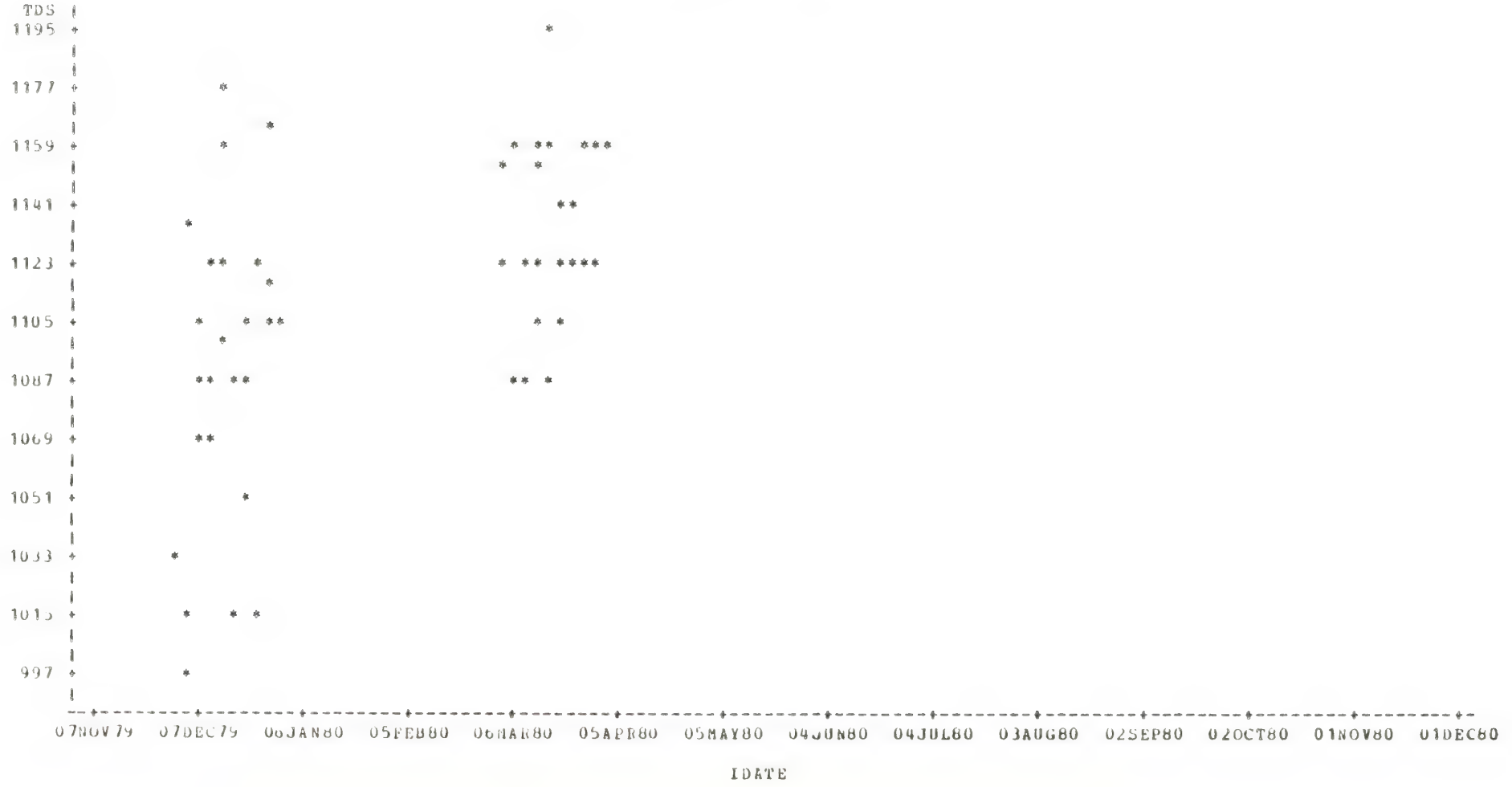
NOTE: 46 OBS HIDDEN



NOTE: 35 OBS HIDDEN

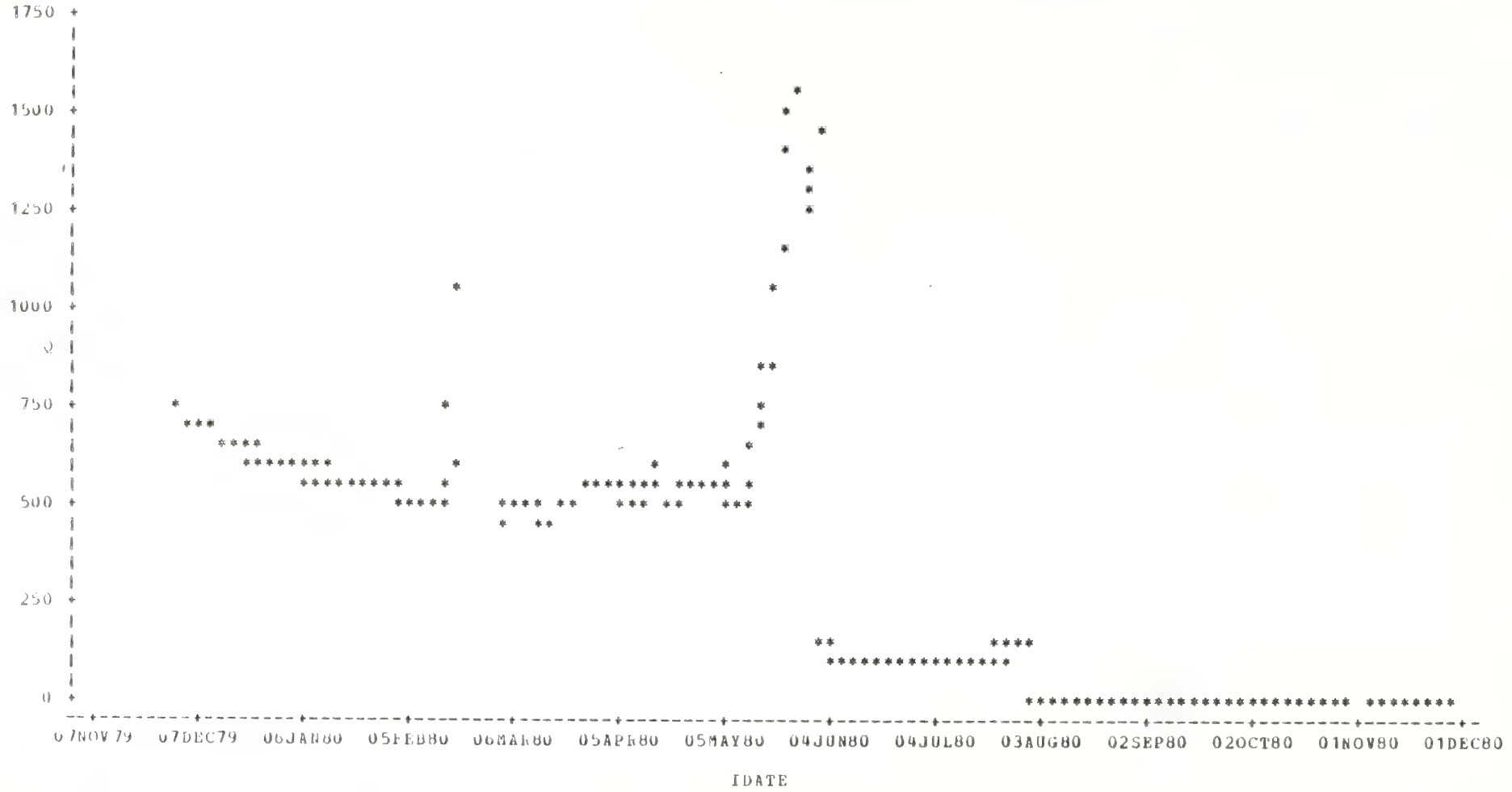


NOTE: 1 OBS HAD MISSING VALUES 52 OBS HIDDEN



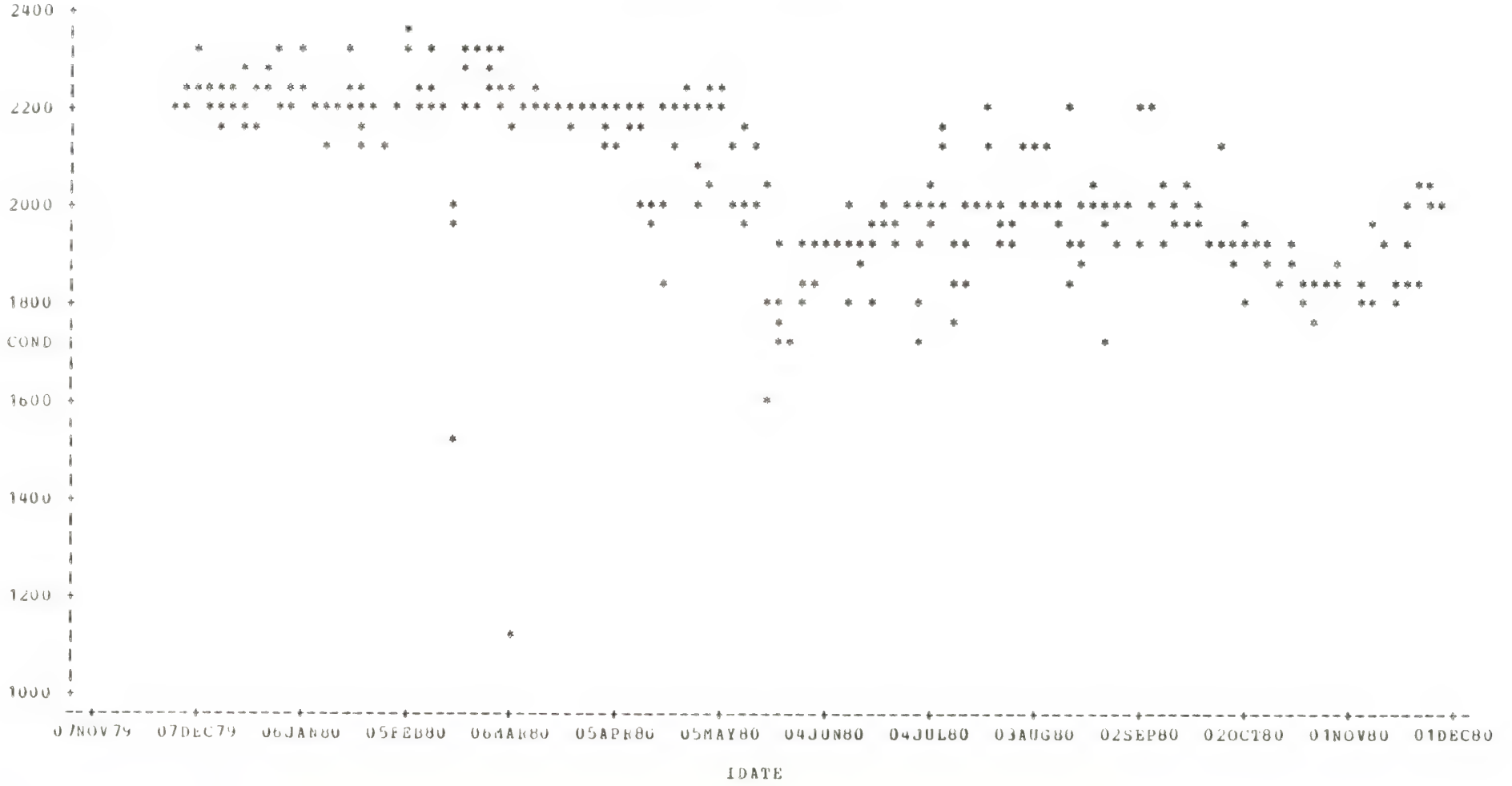
NOTE: 135 OBS HAD MISSING VALUES 12 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSEOFL RPTYR=80



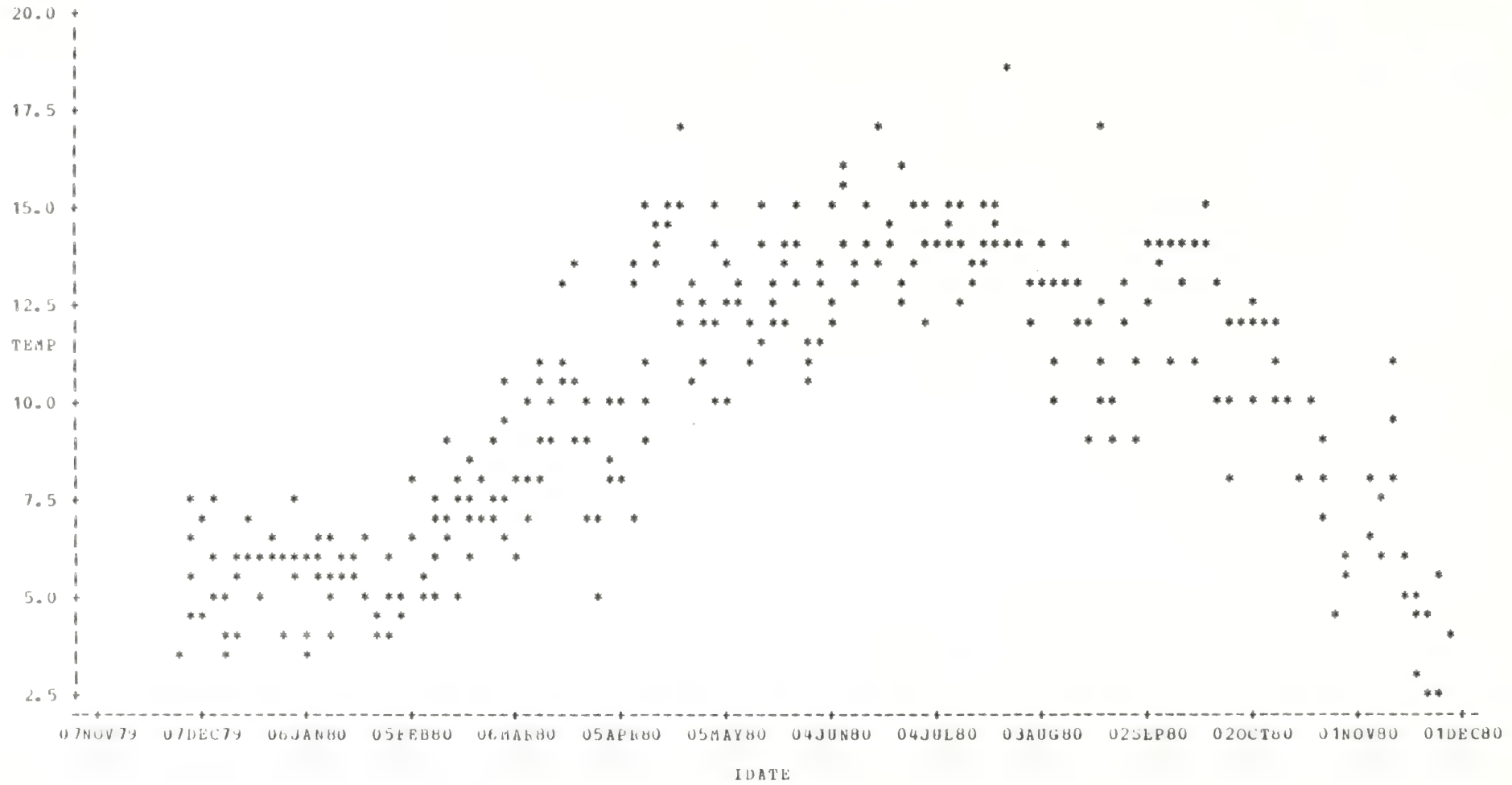
NOTE: 30 OBS HAD MISSING VALUES 162 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSEOFL RPTYR=80

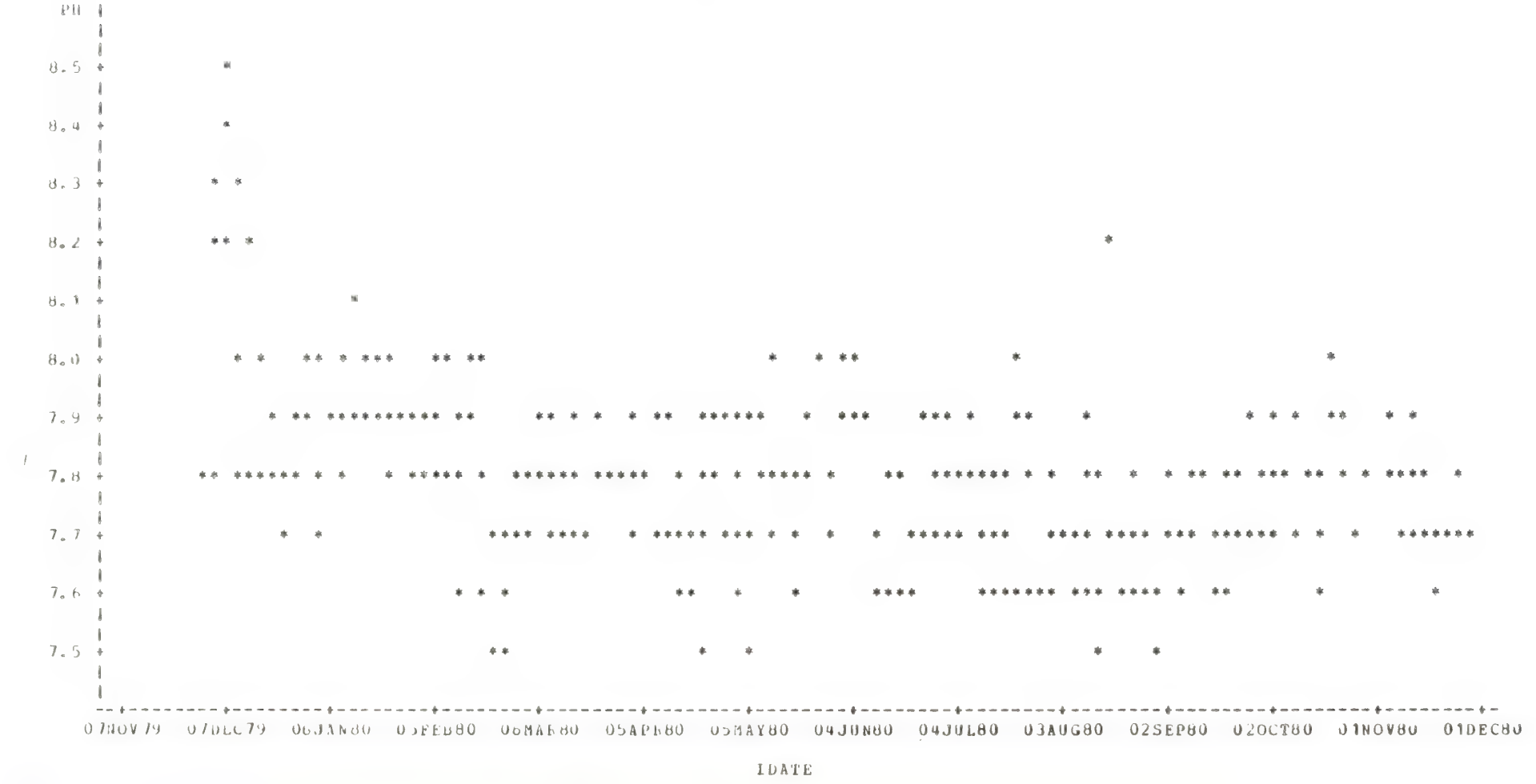


NOTE: 100 OBS HIDDEN

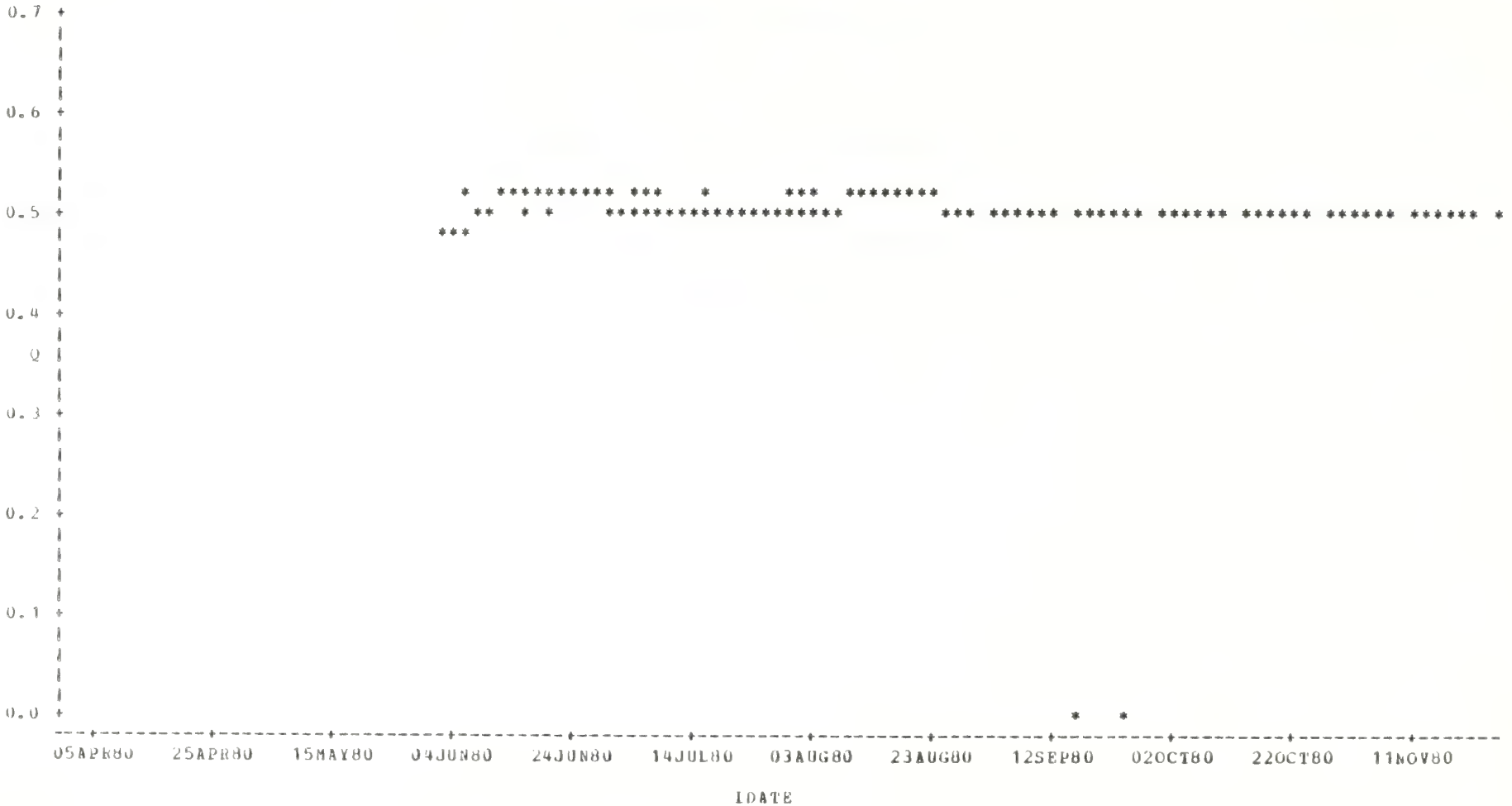
RIO BLANCO HYDROLOGY MONITORING PROGRAM 17:42 SATURDAY, MARCH 7, 1981 253
DEVELOPMENT ACTIVITIES MONITORING
STA=YSEOFL RPTYR=80



NOTE: 1 OBS HAD MISSING VALUES 61 OBS HIDDEN

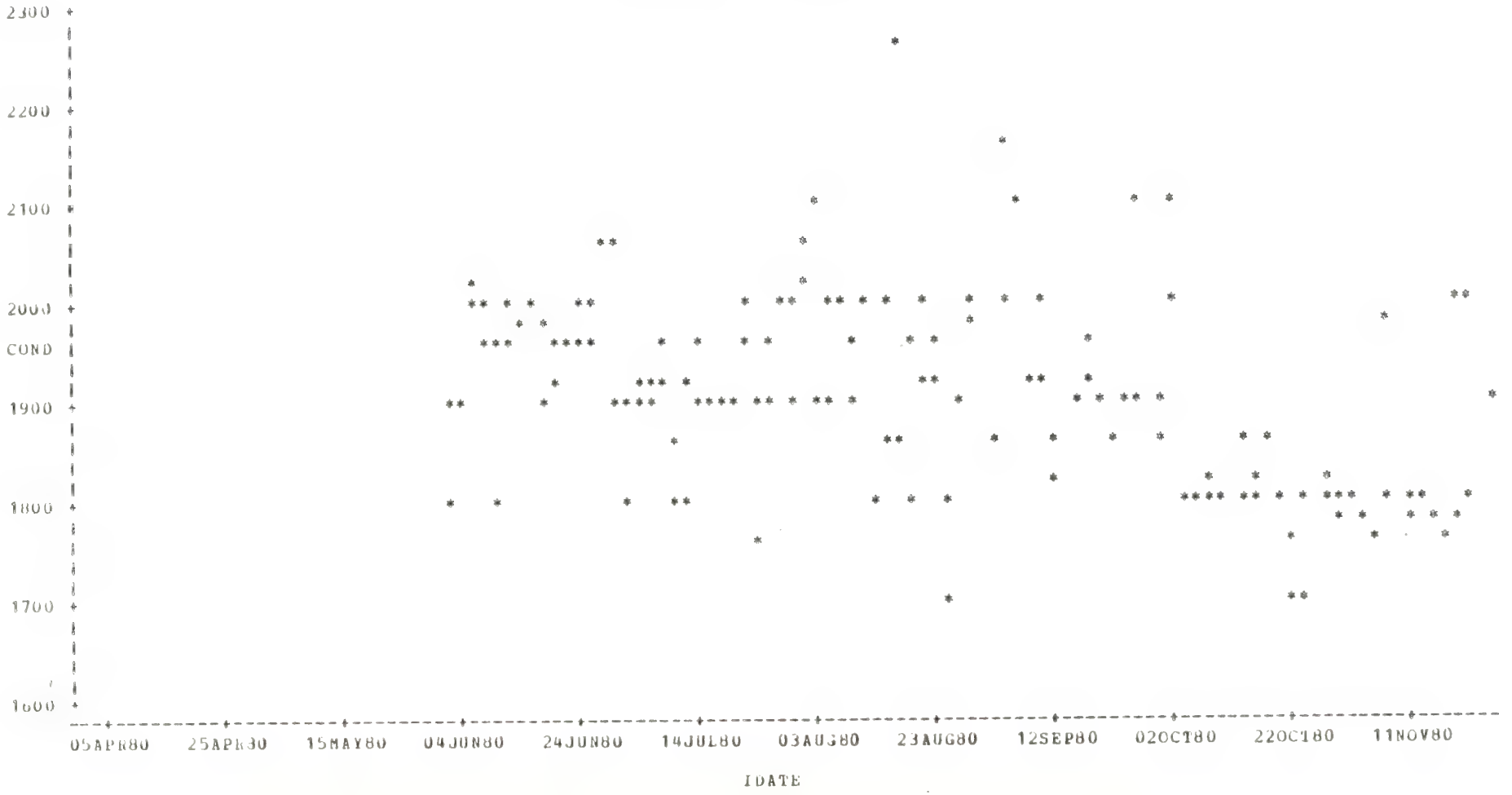


NOTE: 2 OBS HAD MISSING VALUES 92 OBS HIDDEN



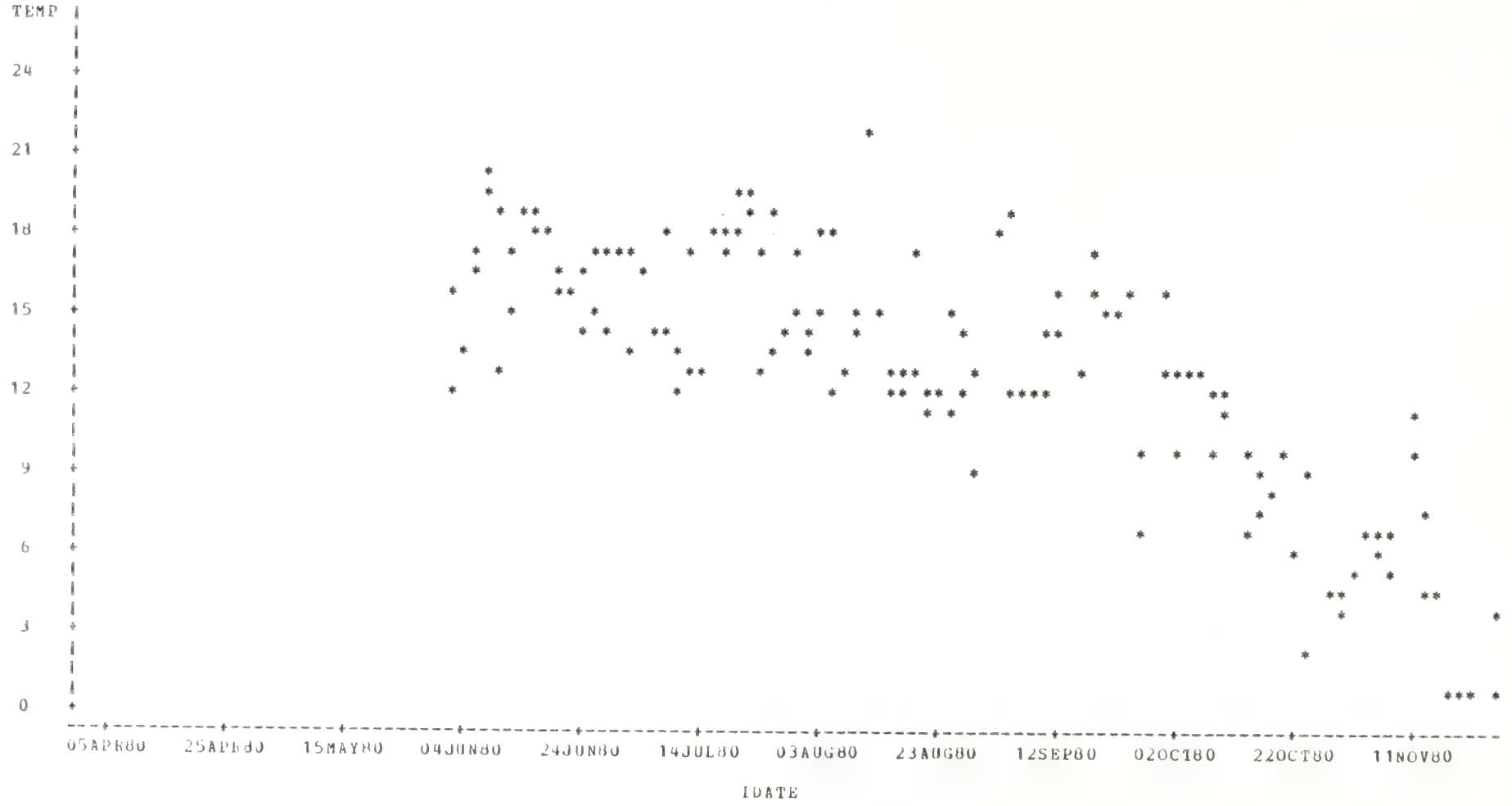
NOTE: 57 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=Y24RDS RPTYR=80



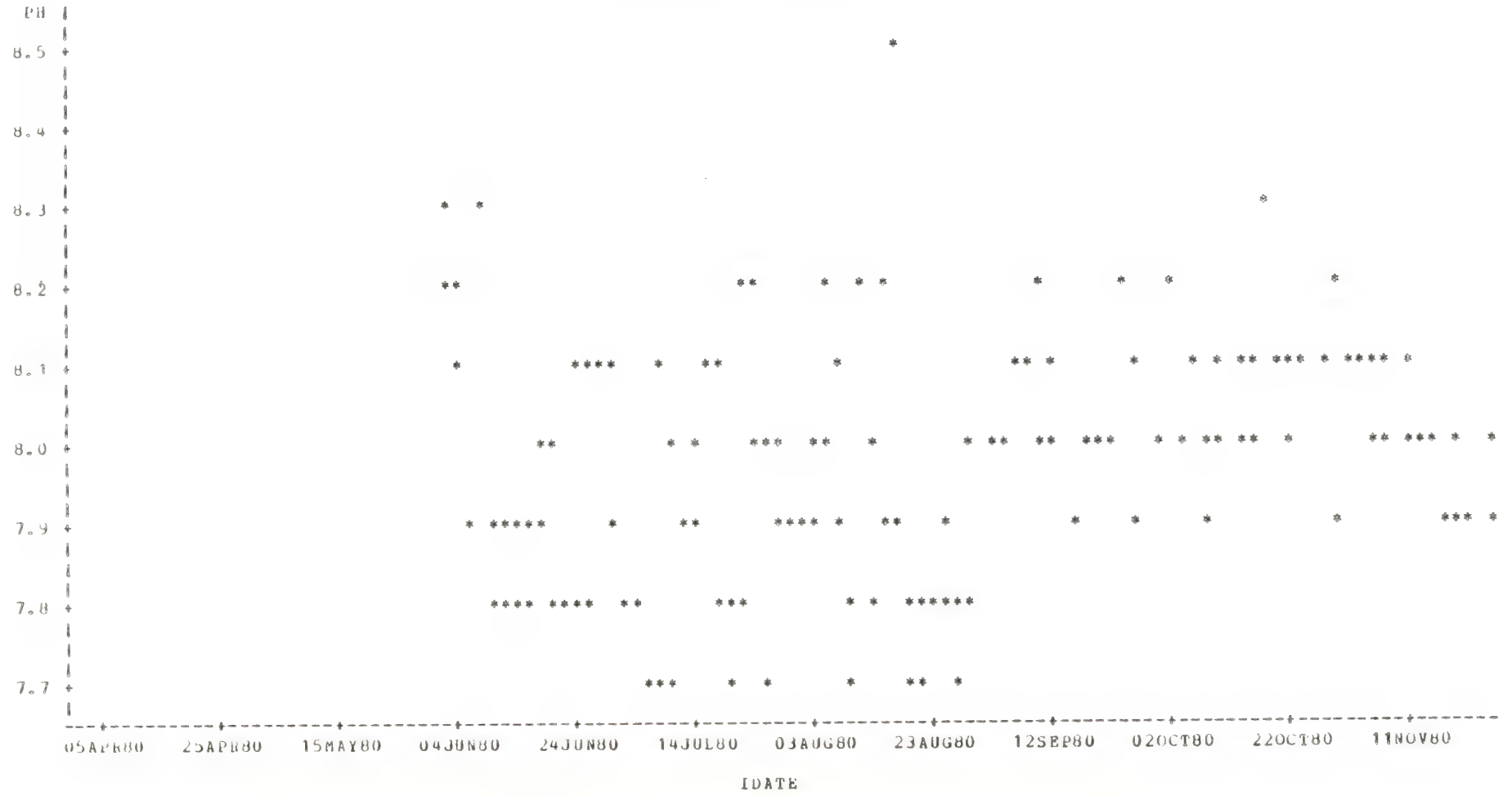
NOTE: 3 OBS HAD MISSING VALUES 17 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=Y24RDS RPTYR=80



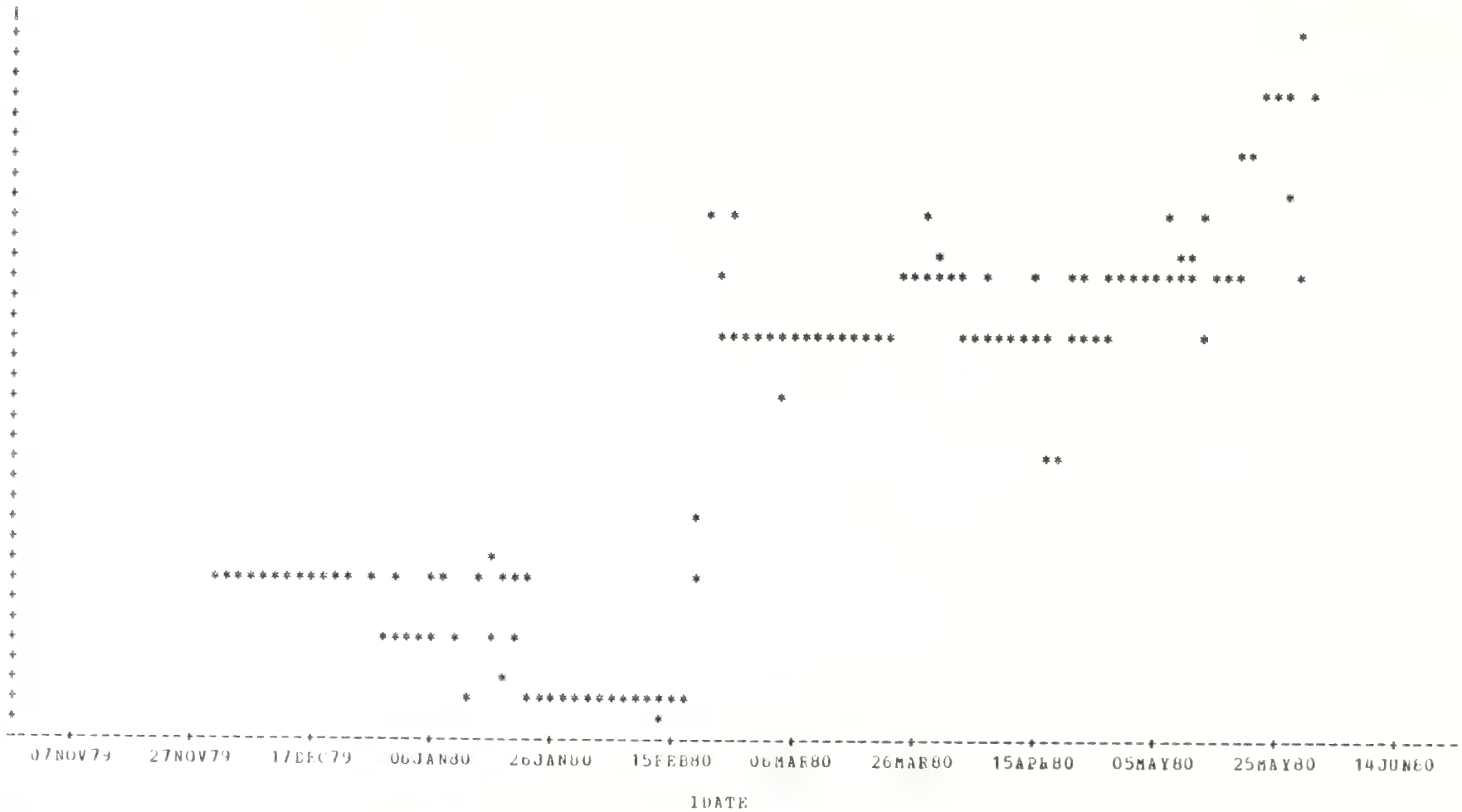
NOTE: 3 OBS HAD MISSING VALUES 18 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=Y24RDS RPTYR=80



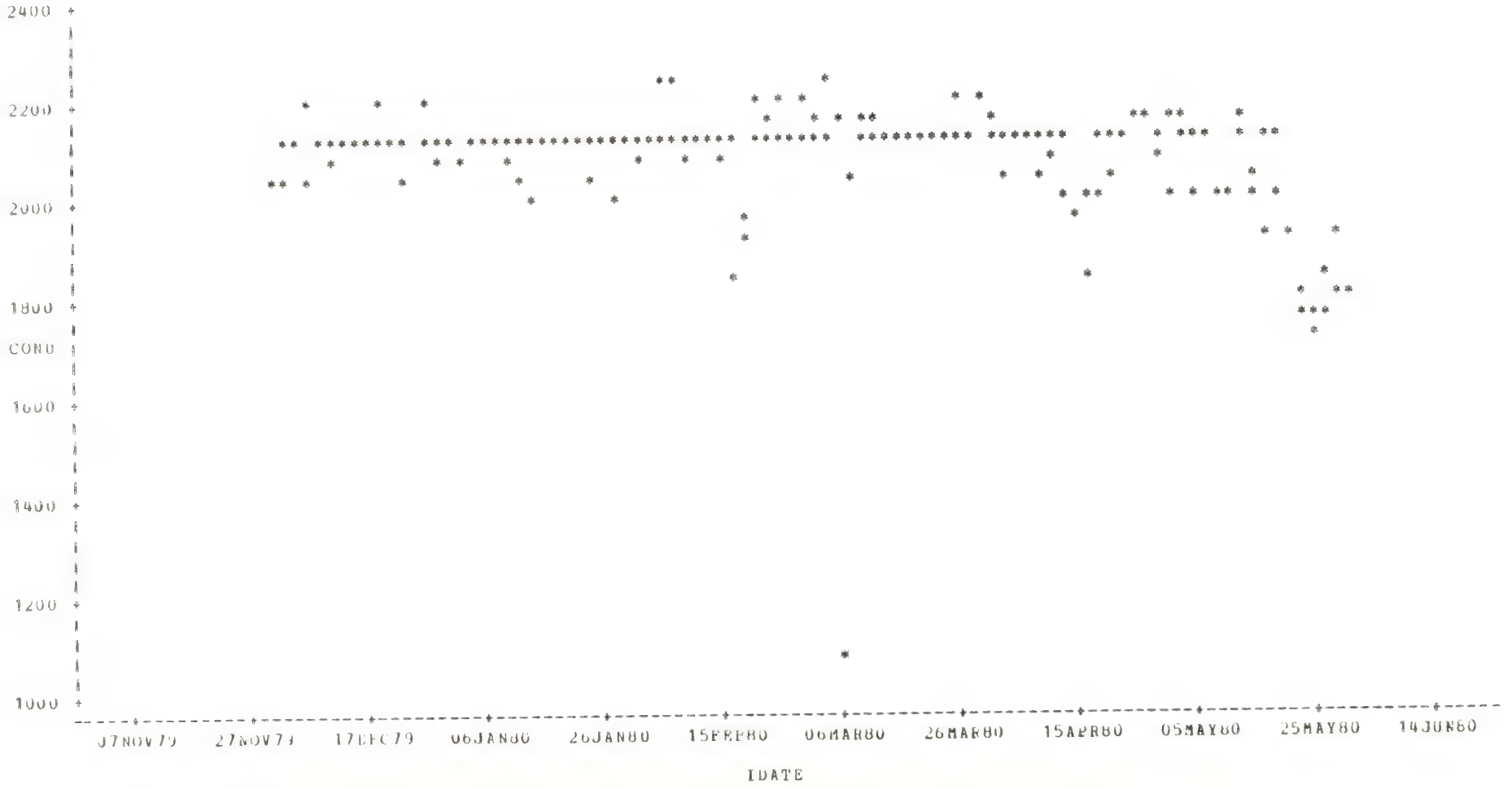
NOTE: 3 OBS HAD MISSING VALUES 21 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YCOLDIS RPTYR=80



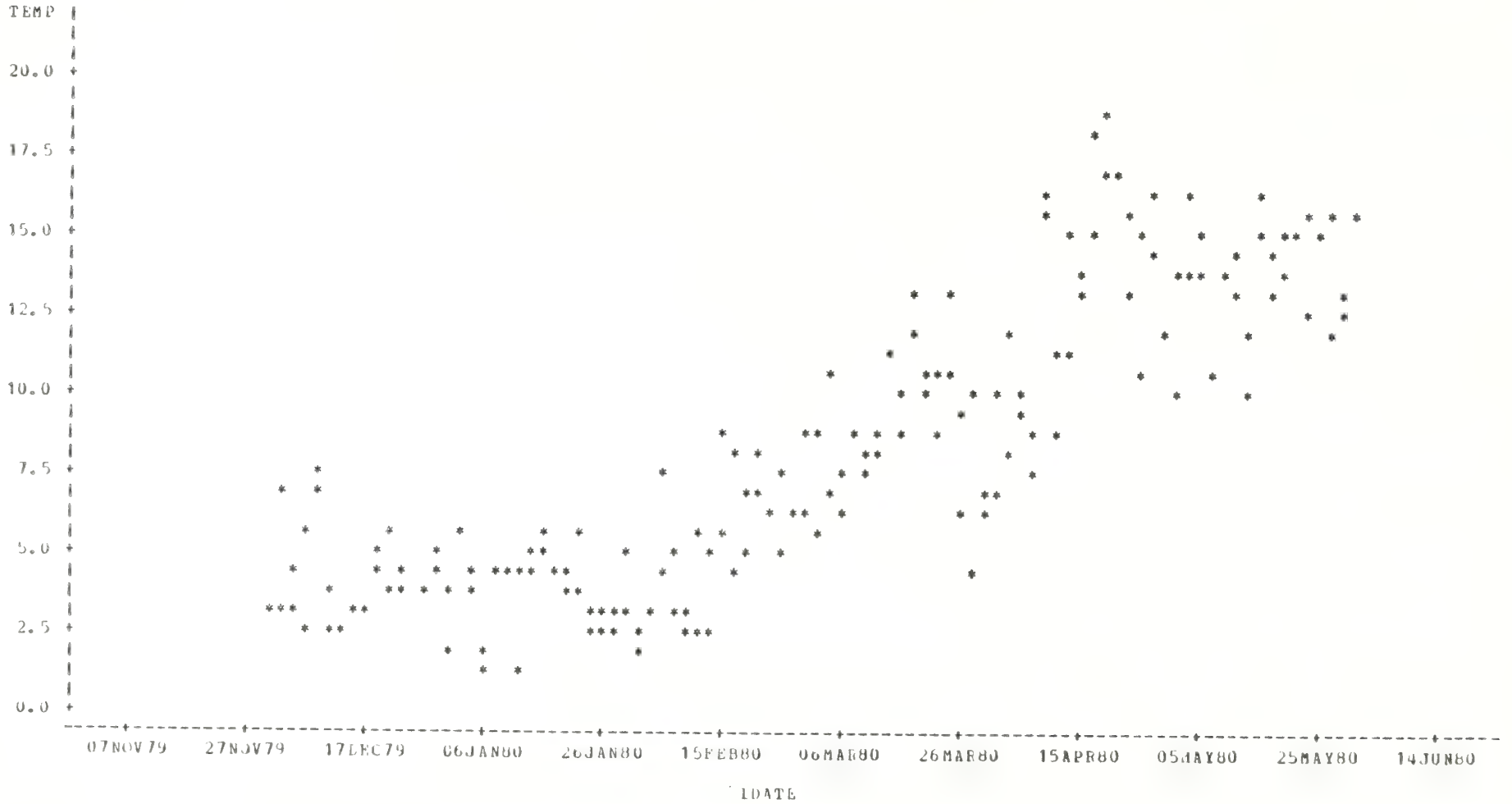
NOTE: 61 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
SIA=YCULDIS RPTYR=80

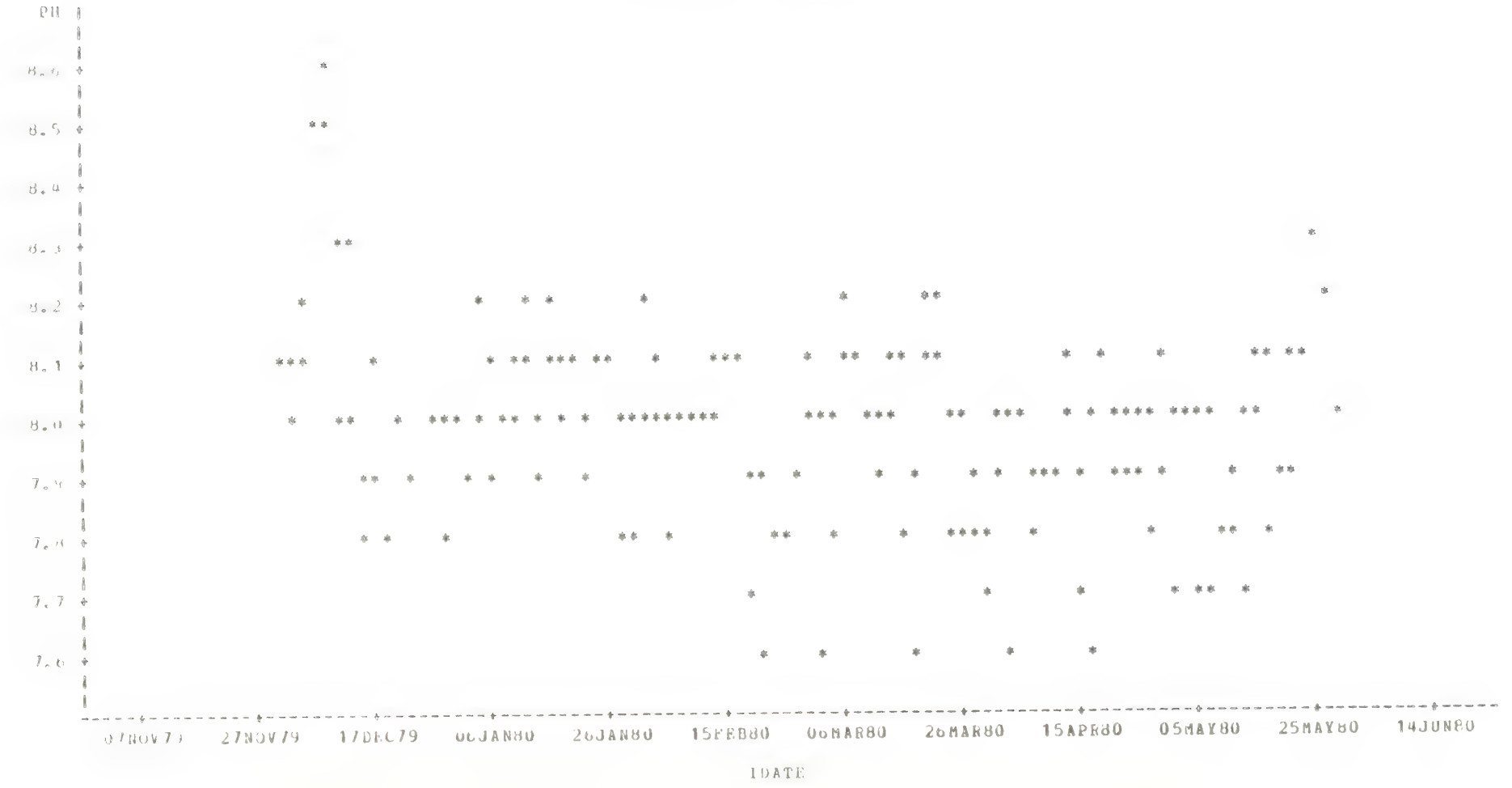


NOTE: 39 OBS HIDDEN

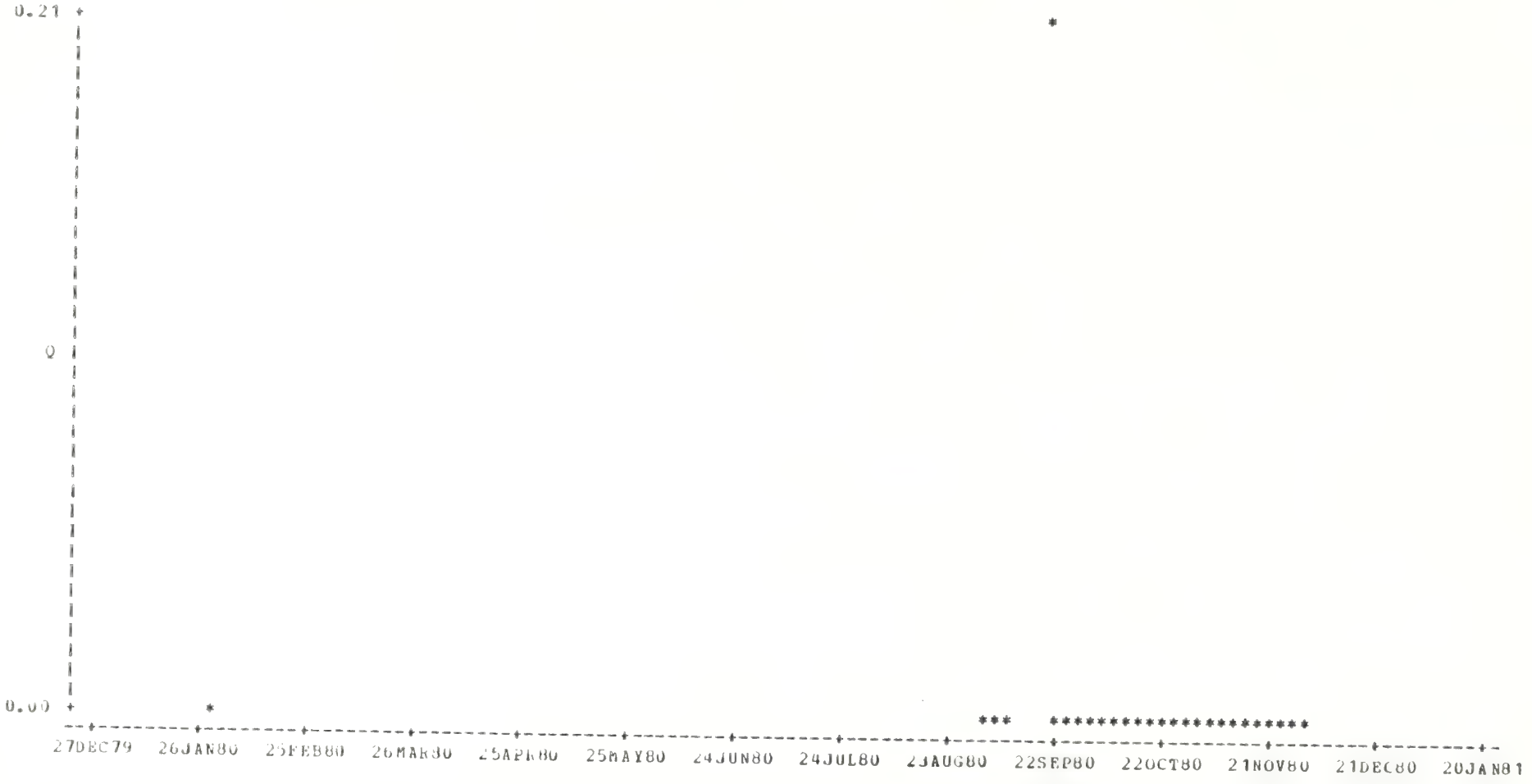
RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YCULDIS RPTYR=80



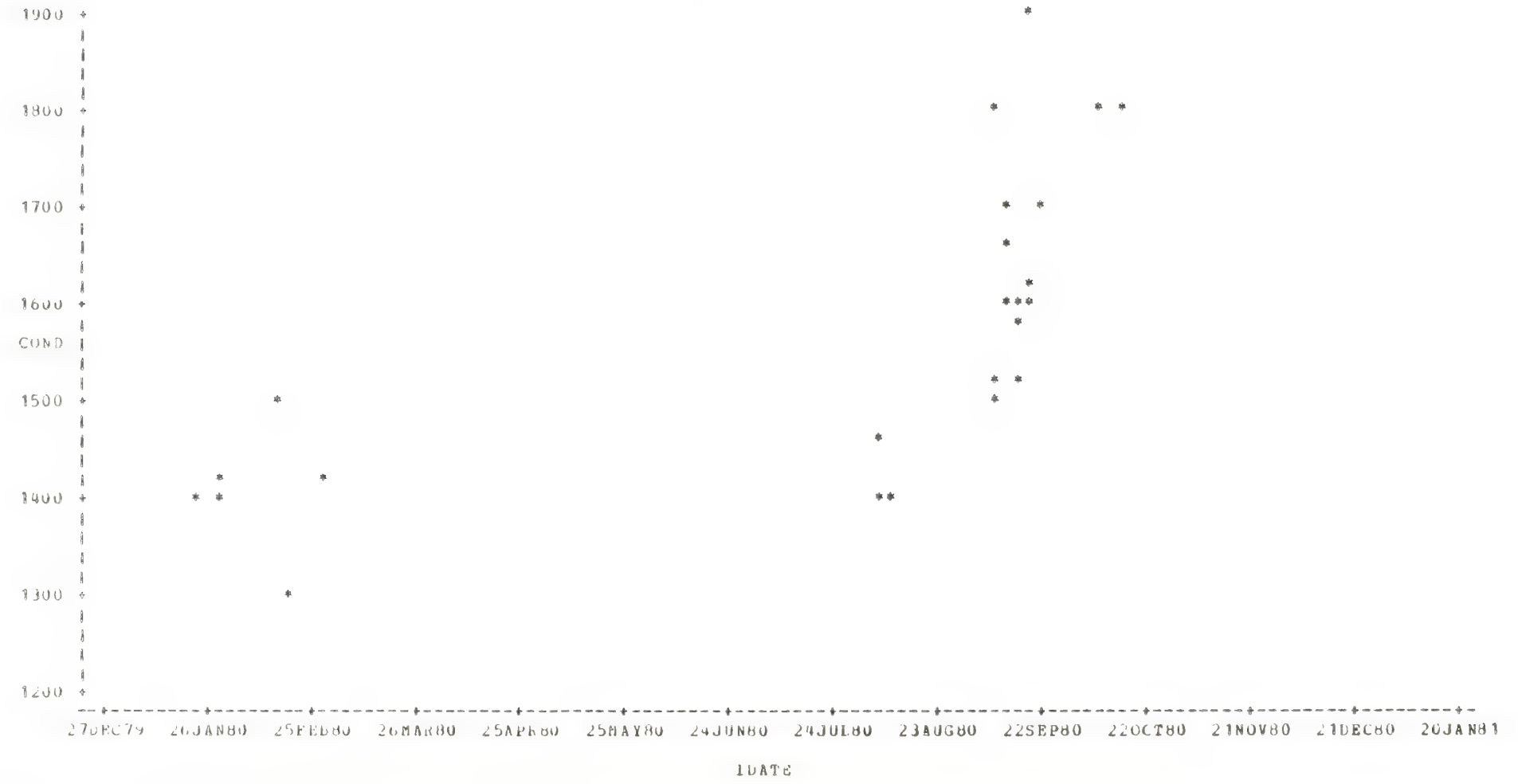
NOTE: 18 OBS HIDDEN



NOTE: 1 OBS HAD MISSING VALUES 31 OBS HIDDEN

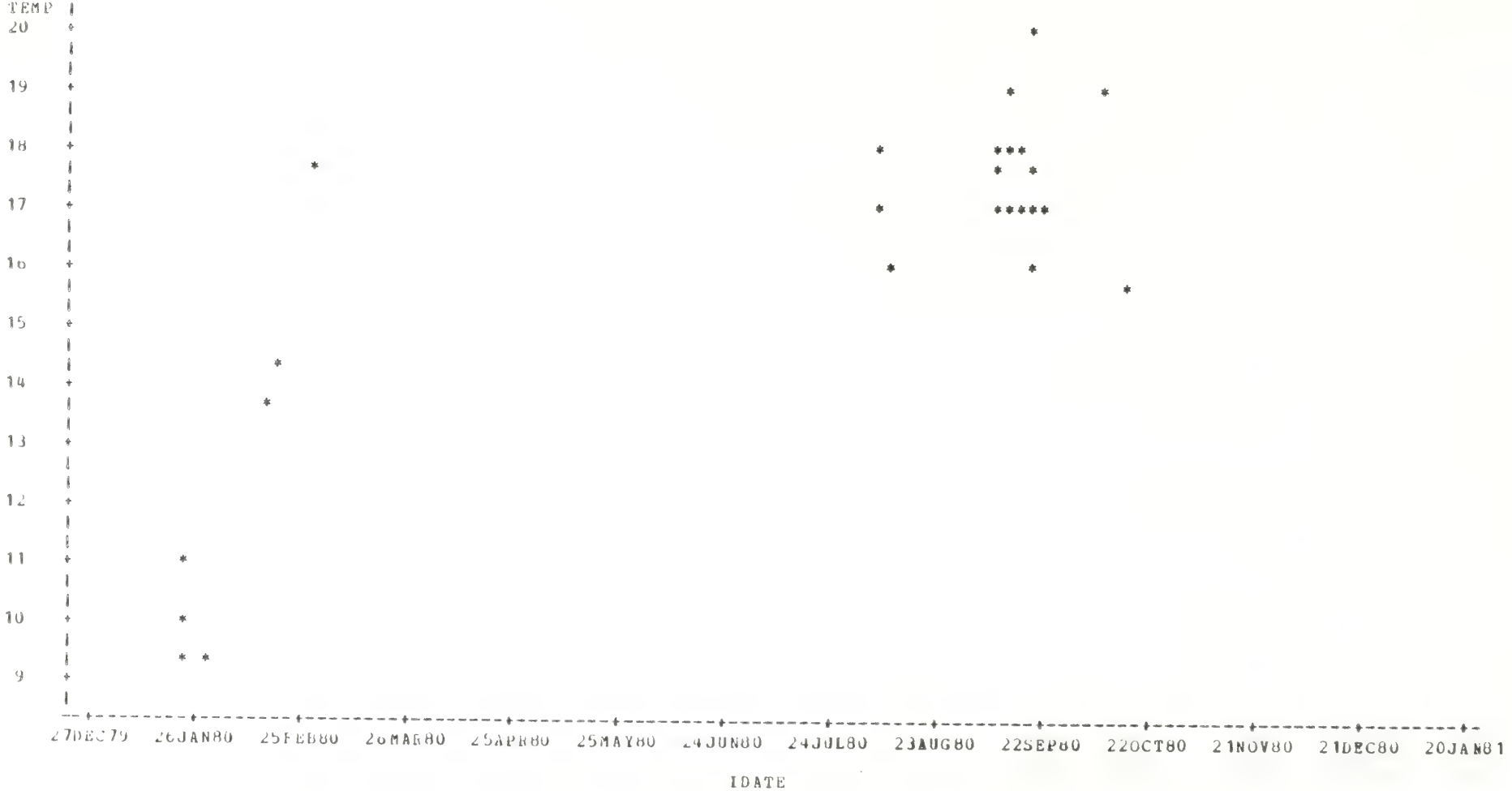


NOTE: 30 OBS HAD MISSING VALUES 46 OBS HIDDEN



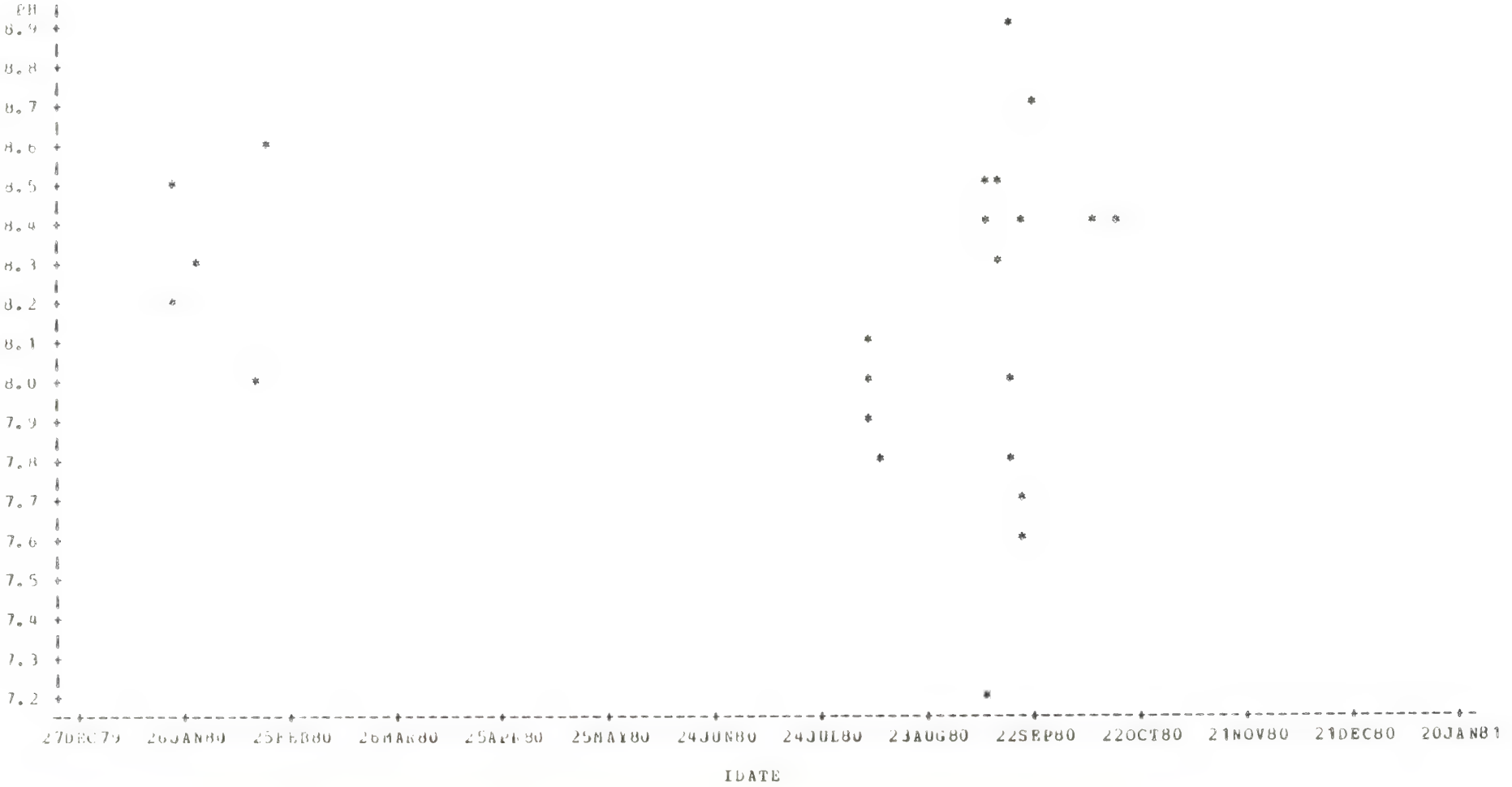
NOTE: 73 OBS HAD MISSING VALUES 6 OBS HIDDEN

DEVELOPMENT ACTIVITIES MONITORING
STA=YFLD1S RPTYR=80

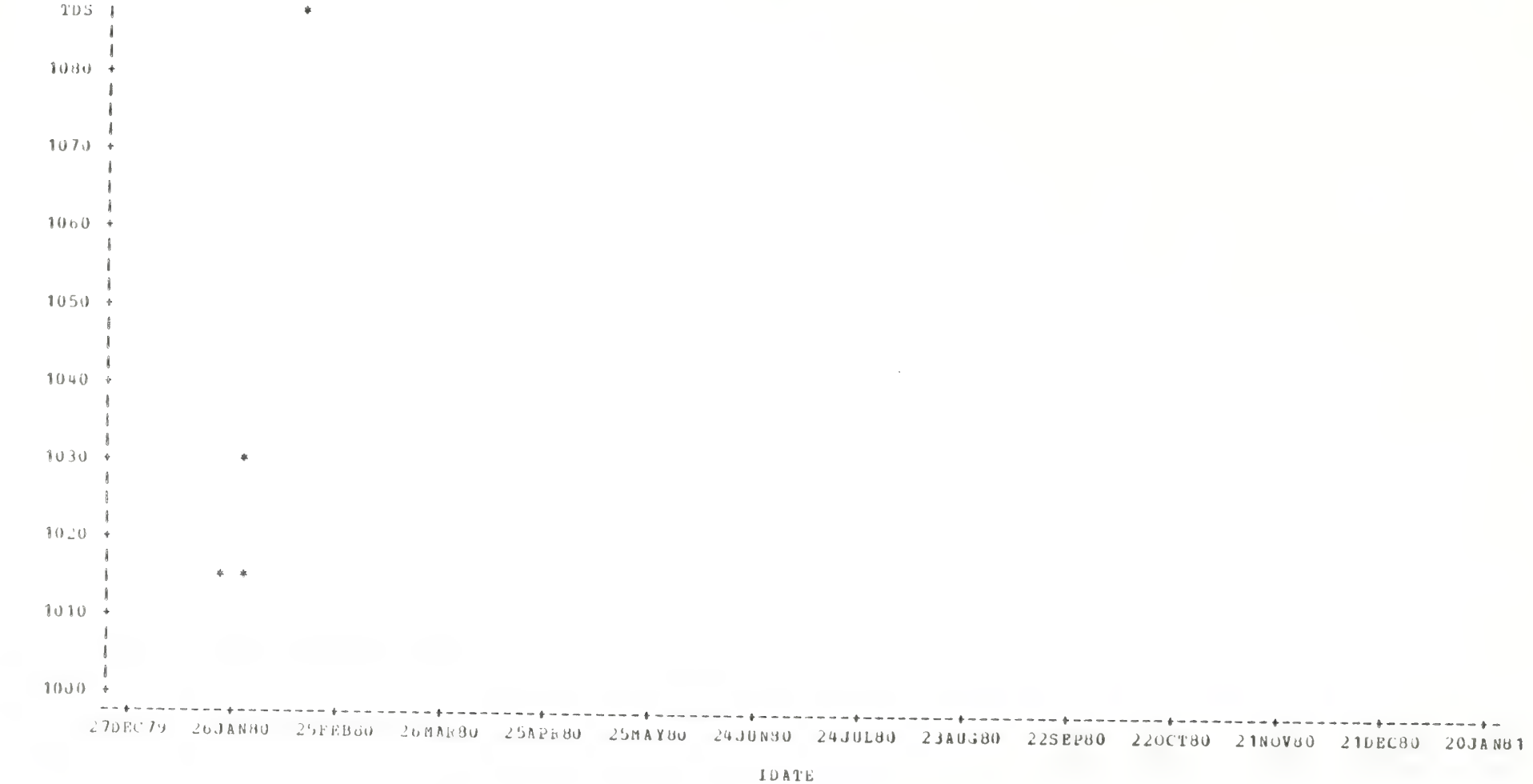


NOTE: 74 OBS HAD MISSING VALUES 4 OBS HIDDEN

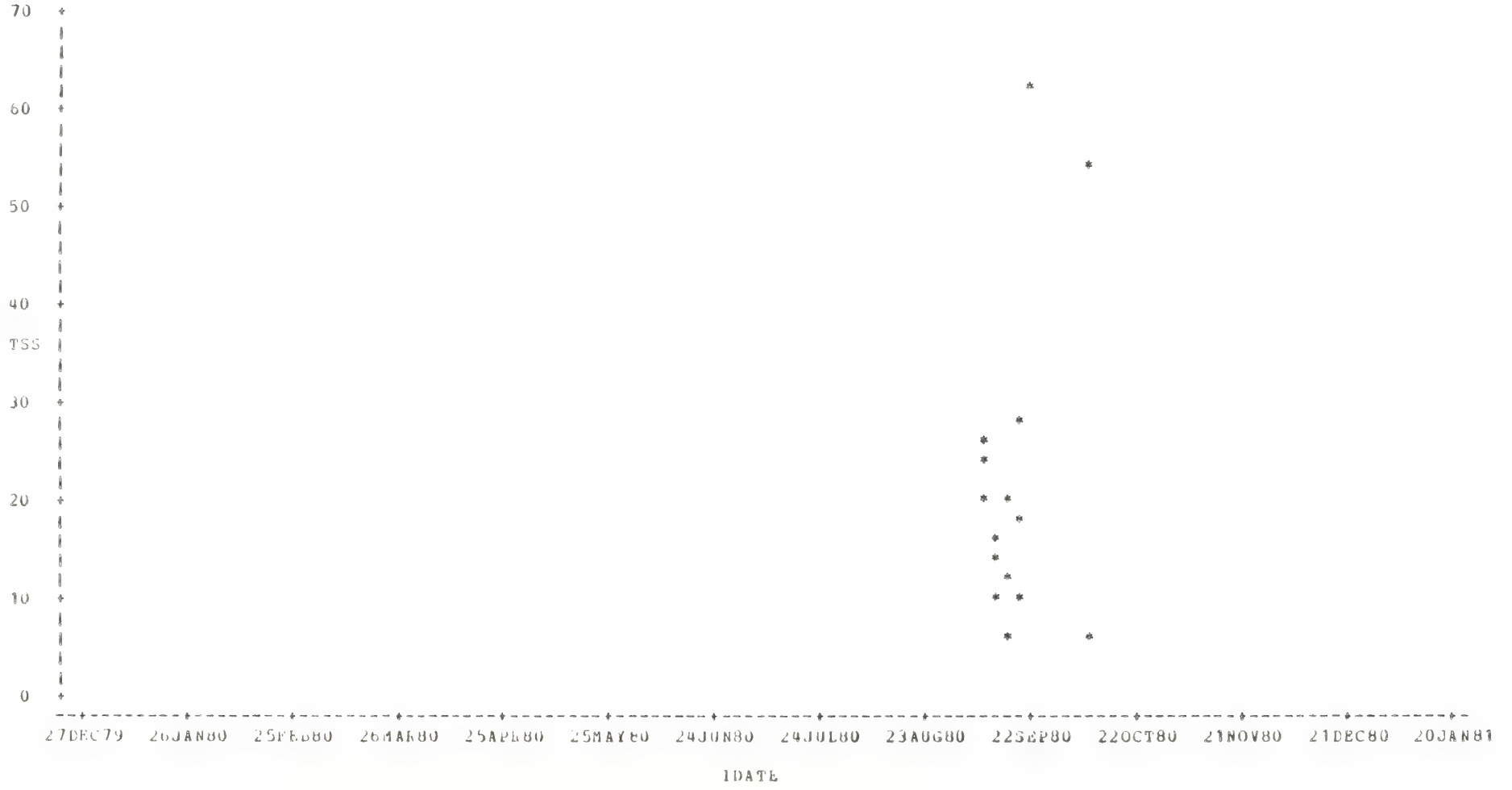
DEVELOPMENT ACTIVITIES MONITORING
STA=YFLD1S RPTYR=80



NOTE: 75 OBS HAD MISSING VALUES 5 OBS HIDDEN

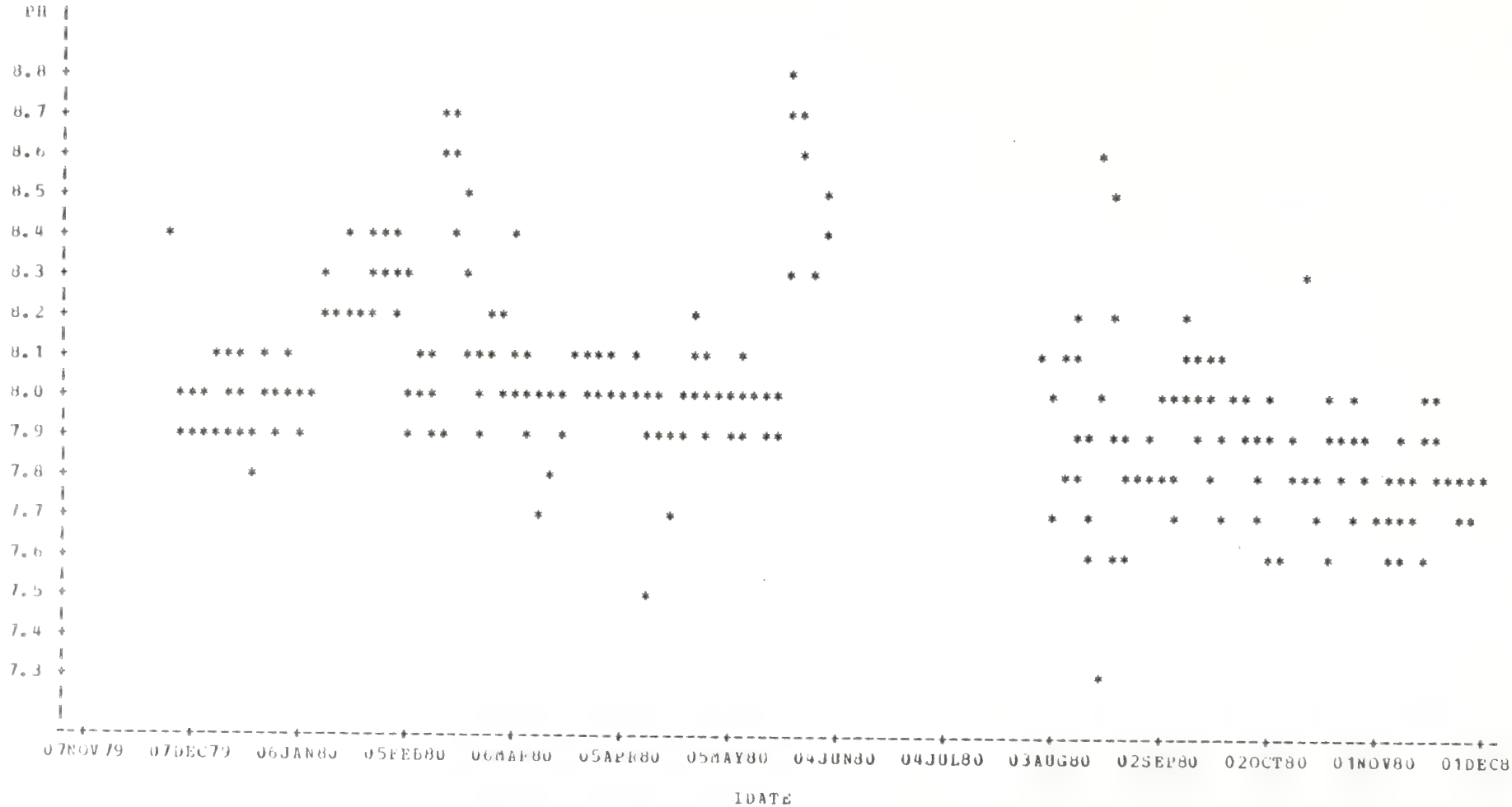


NOTE: 97 OBS HAD MISSING VALUES 2 OBS HIDDEN

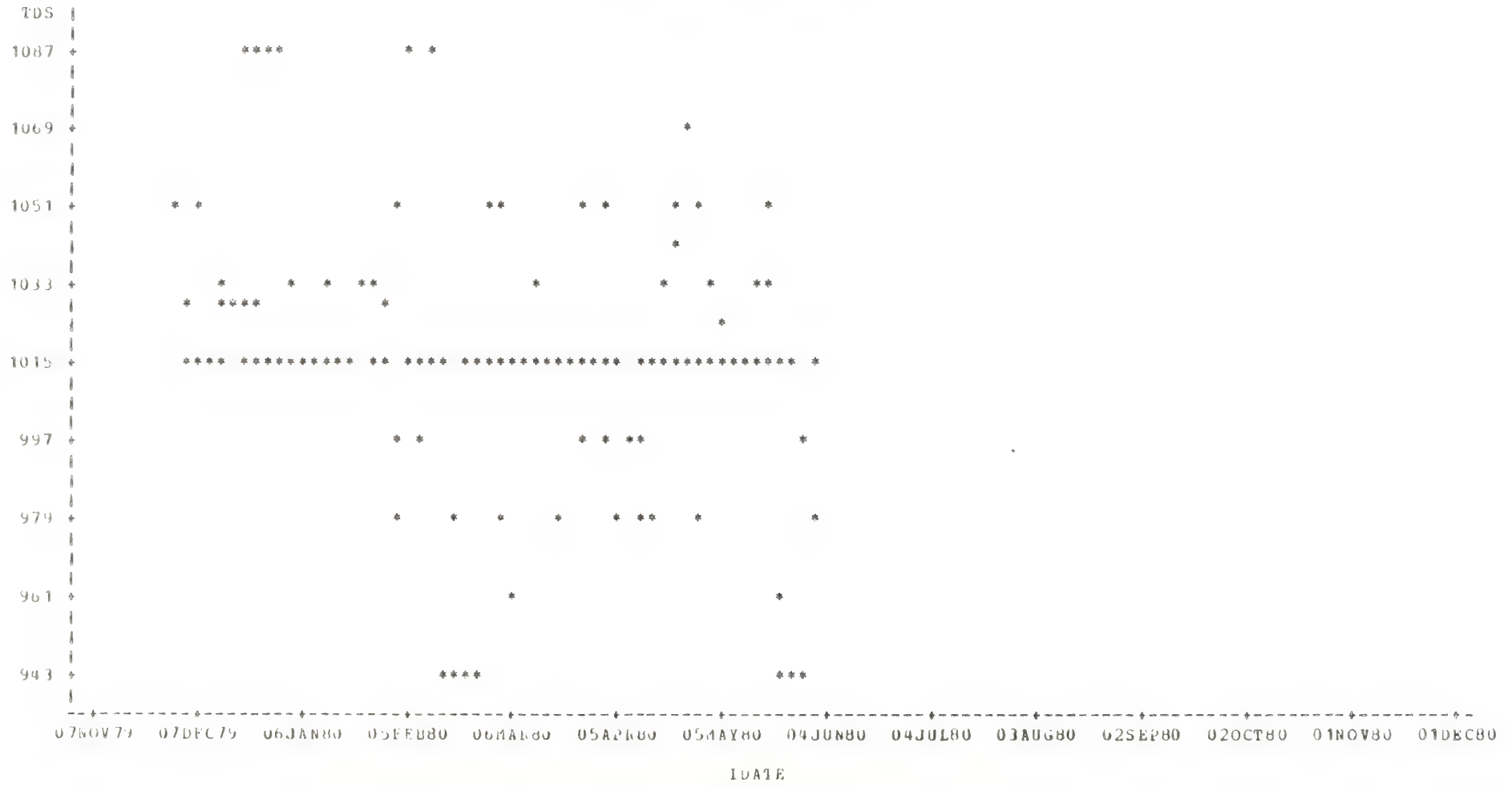


NOTE: 88 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YCOINJ RPTYR=80

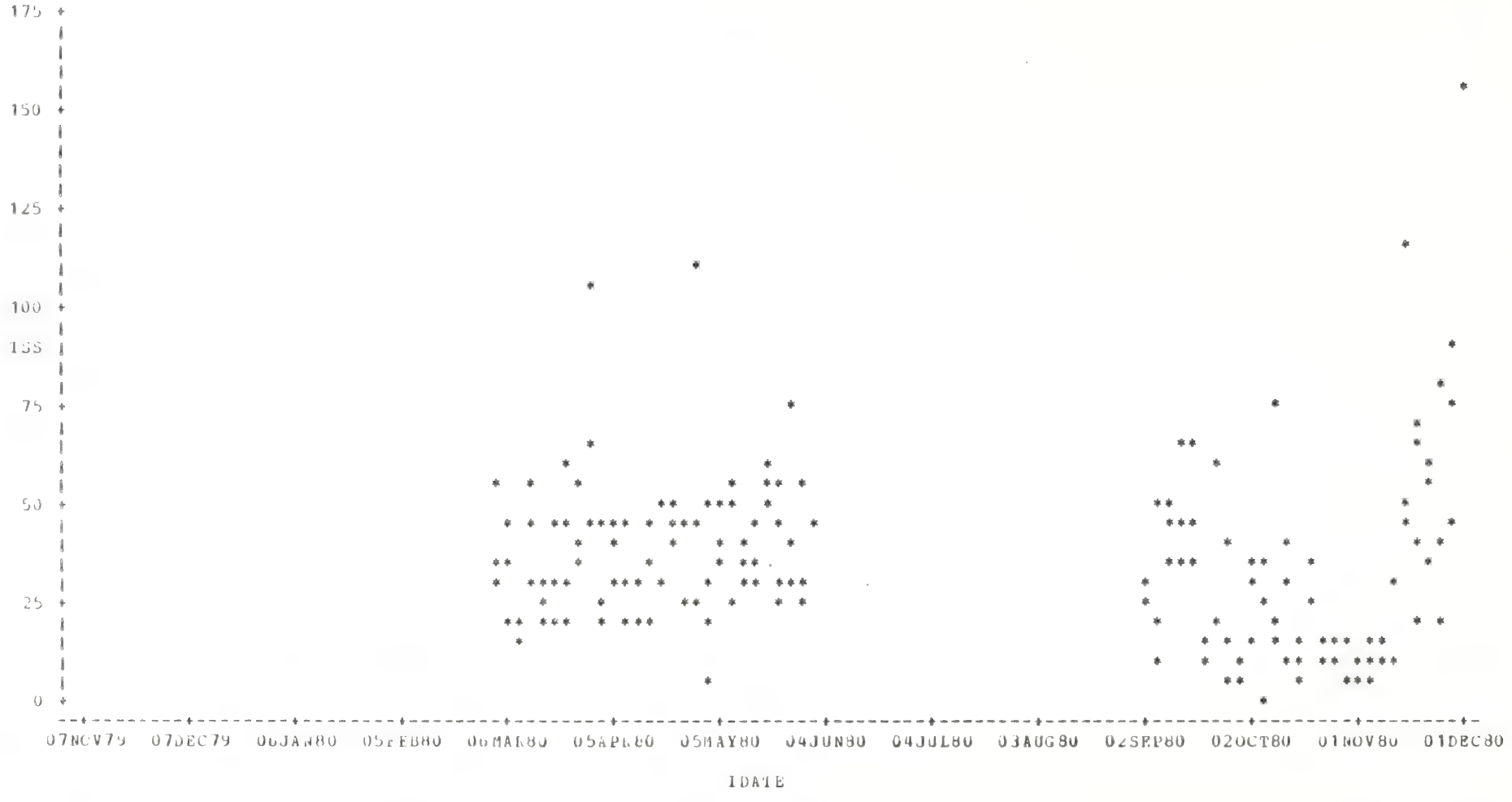


NOTE: 38 OBS HIDDEN



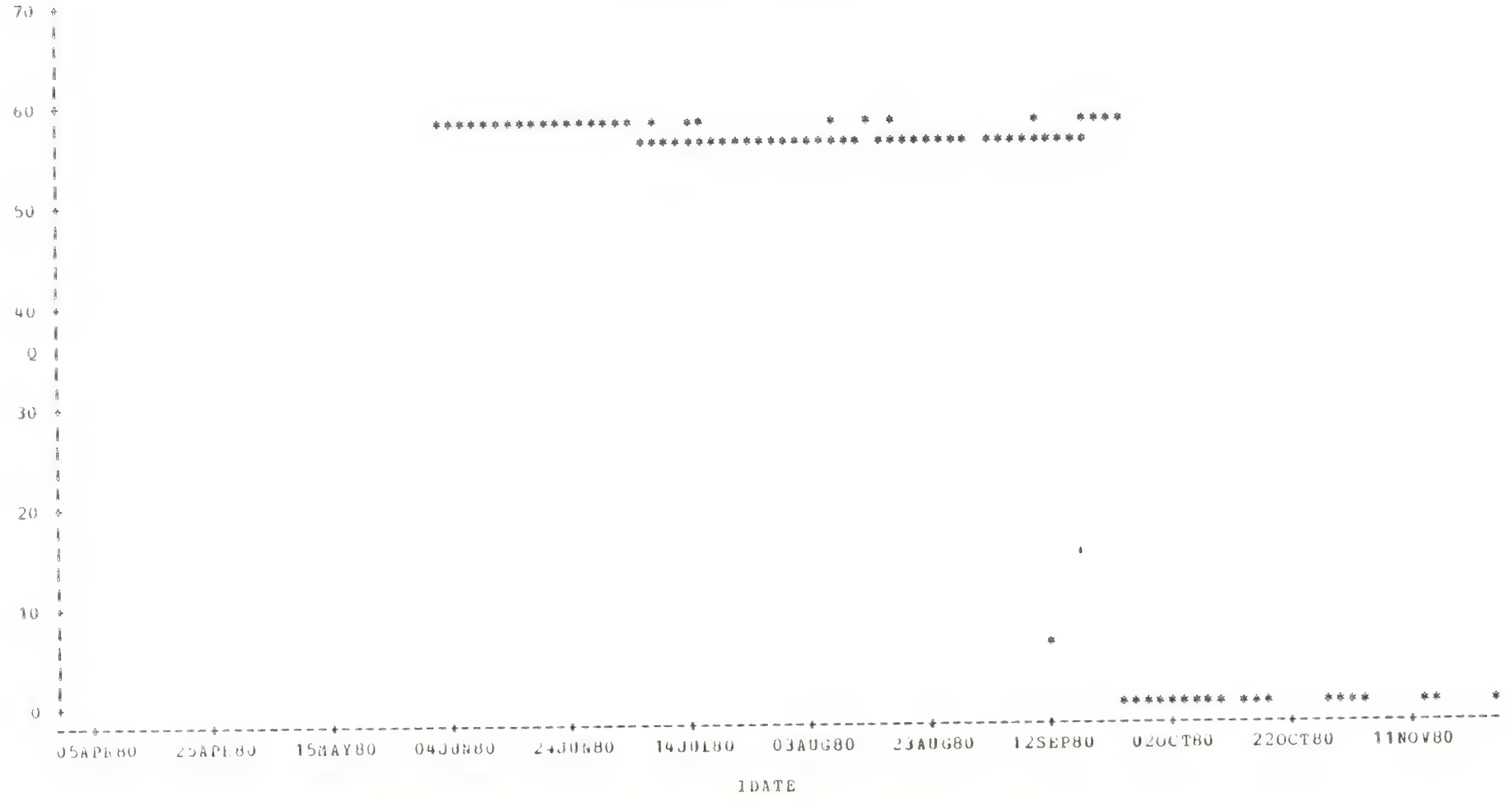
NOTE: 119 OBS HAD MISSING VALUES 70 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YCOINJ RPTYR=80



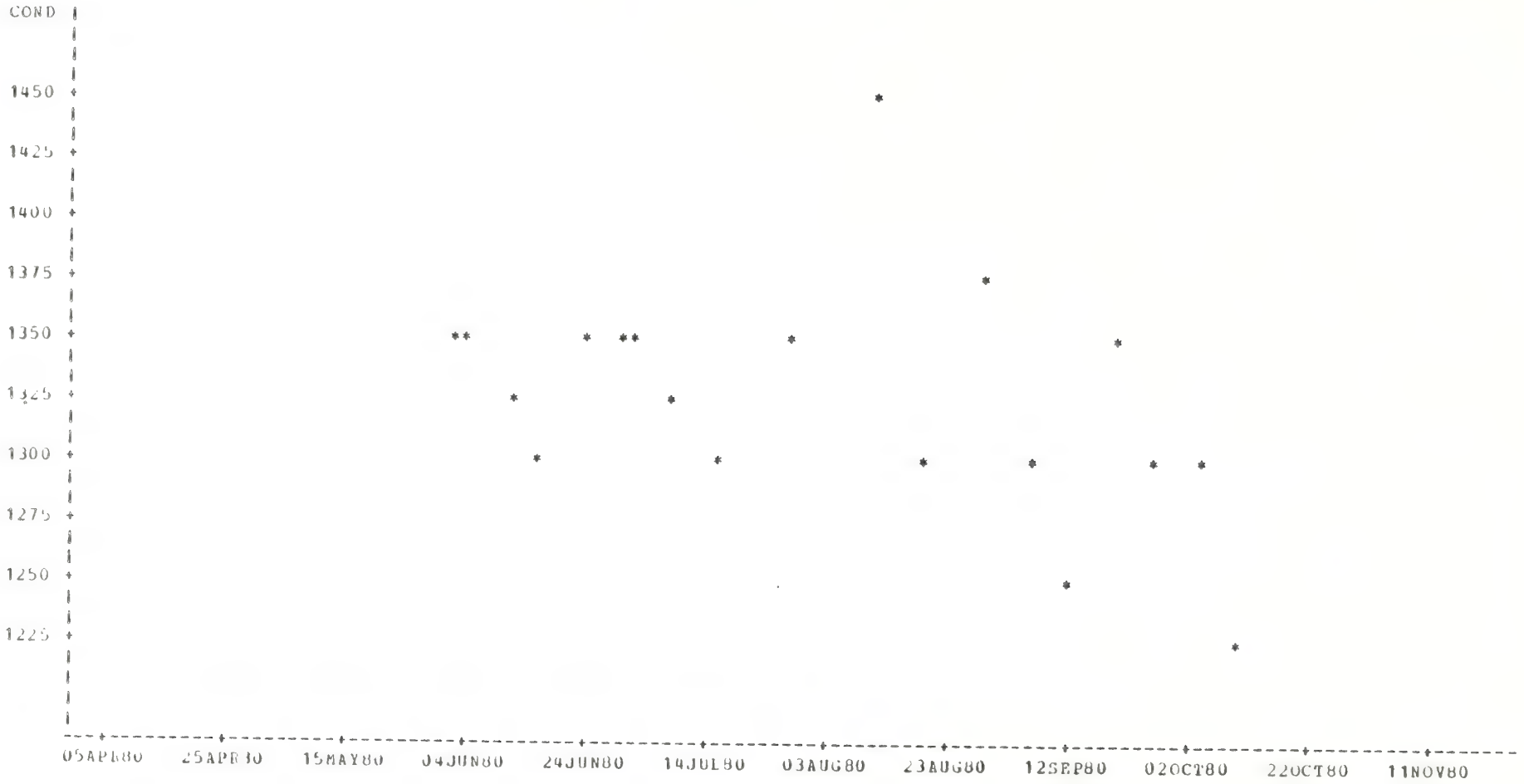
NOTE: 119 OBS HAD MISSING VALUES 26 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D10 RPTYR=80



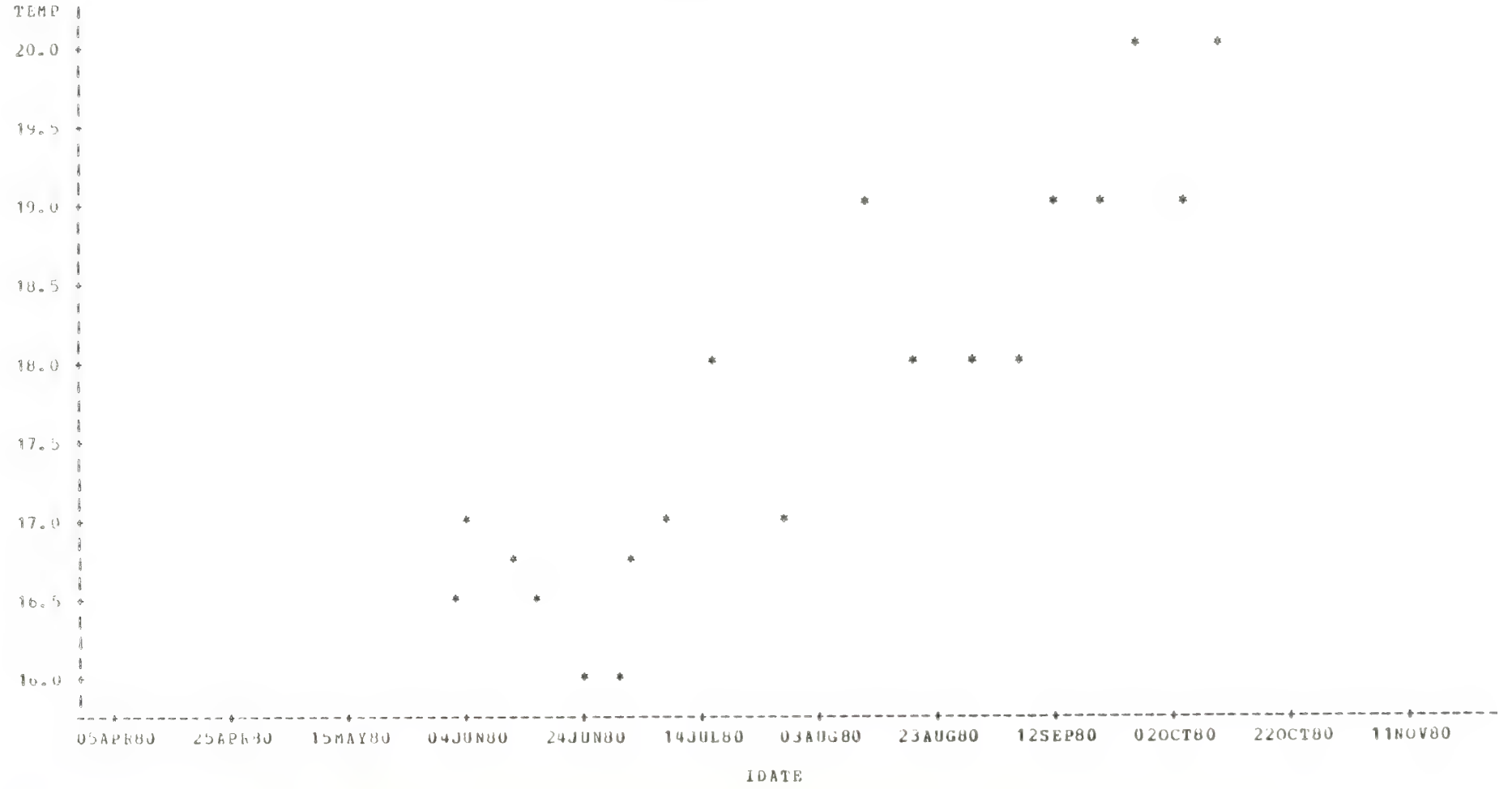
NOTE: 12 OBS HAD MISSING VALUES 60 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D50 RPTYR=80



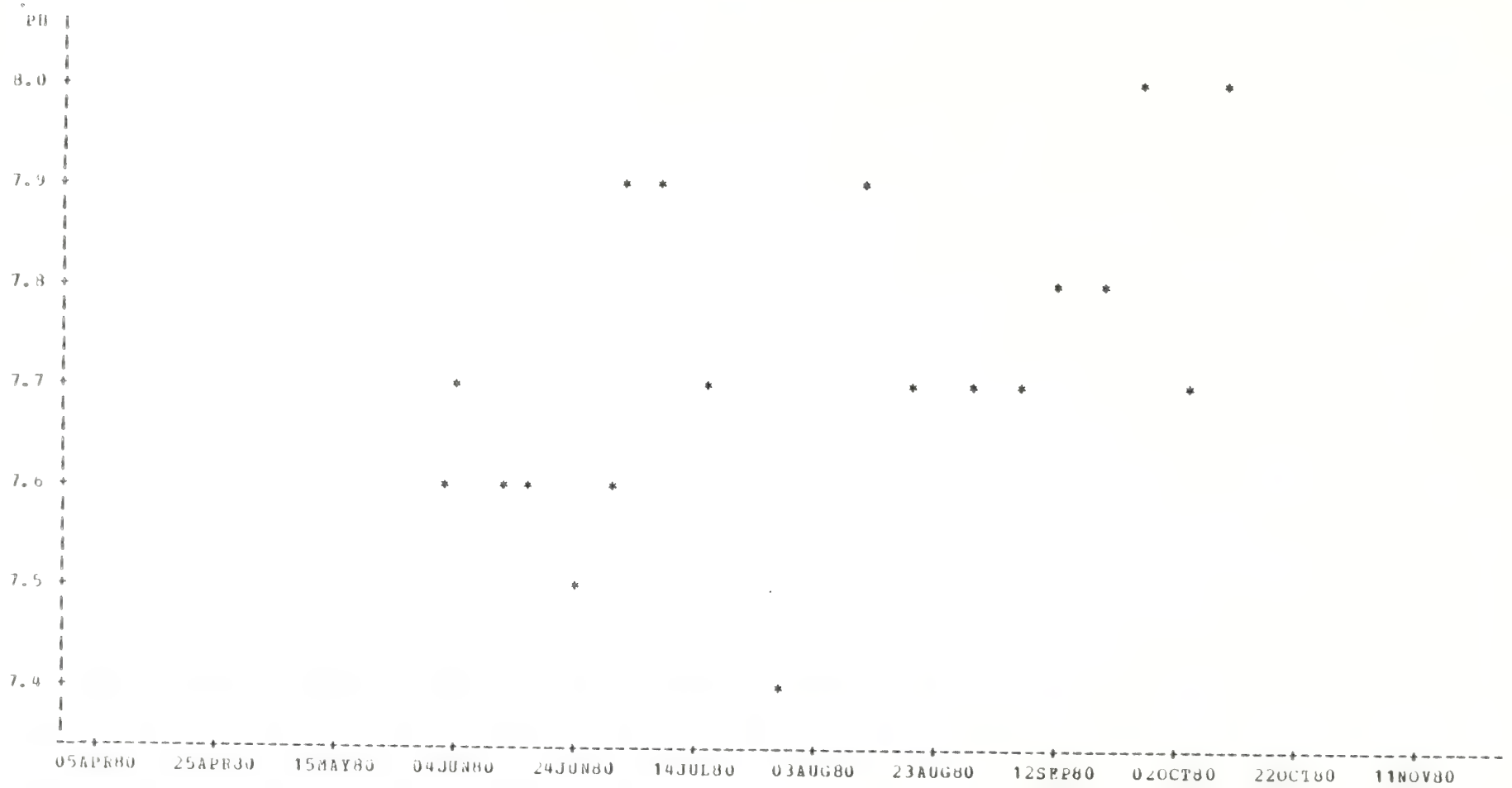
NOTE: 6 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D50 RPTYP=80



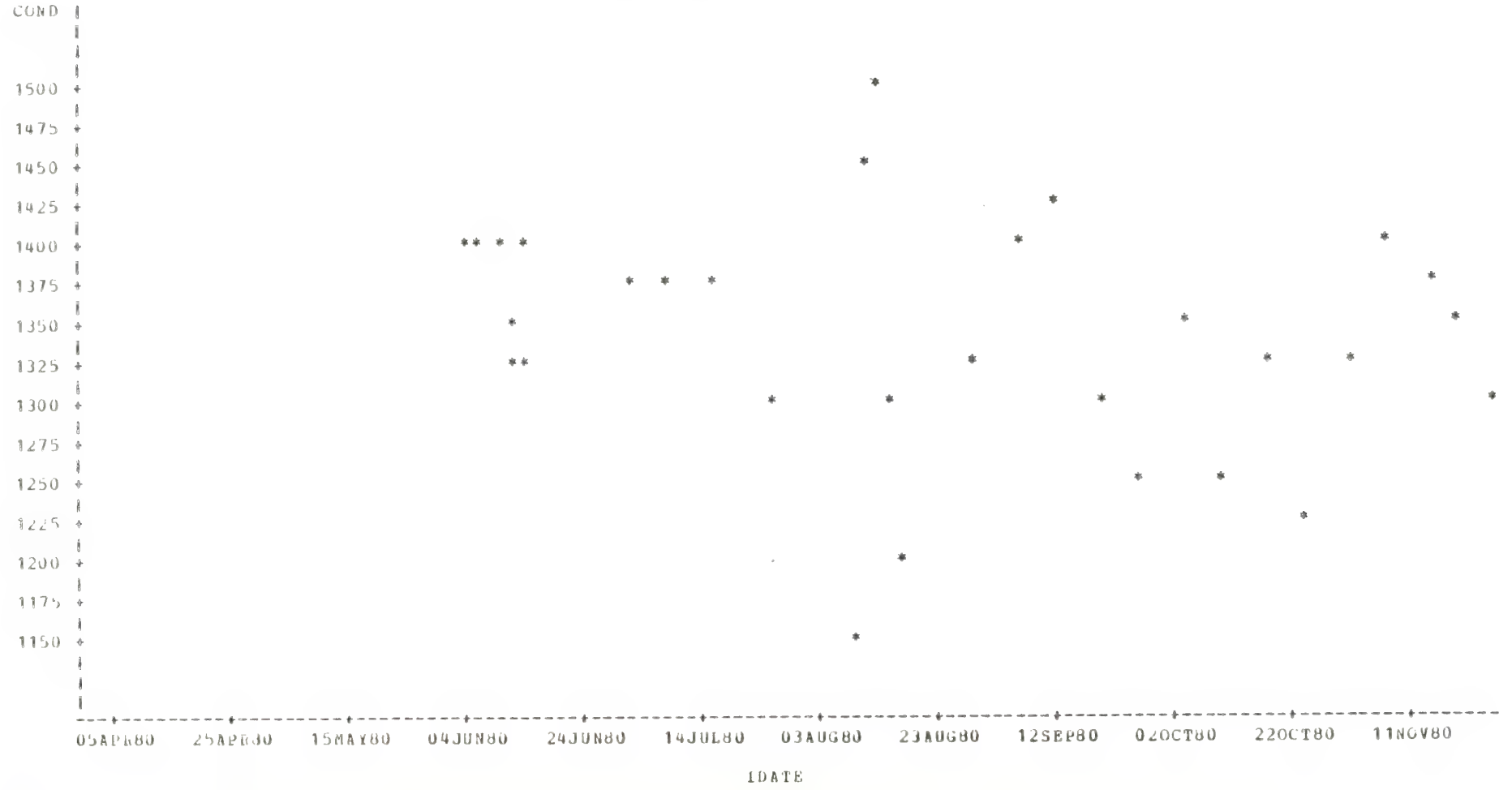
NOTE: 6 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D5U RPTYR=80



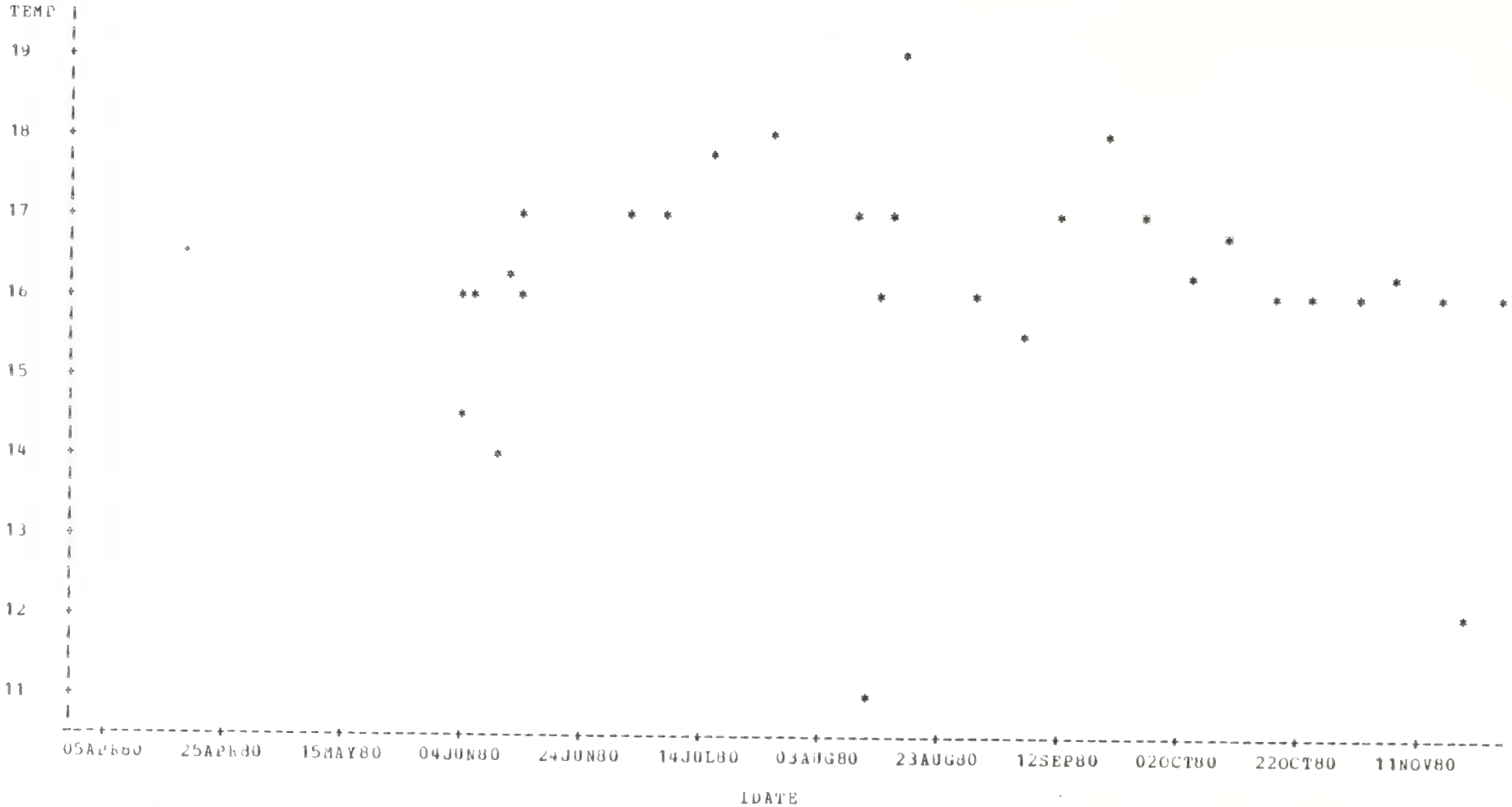
NOTE: 6 OBS HAD MISSING VALUES

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-060 WPTYR=80



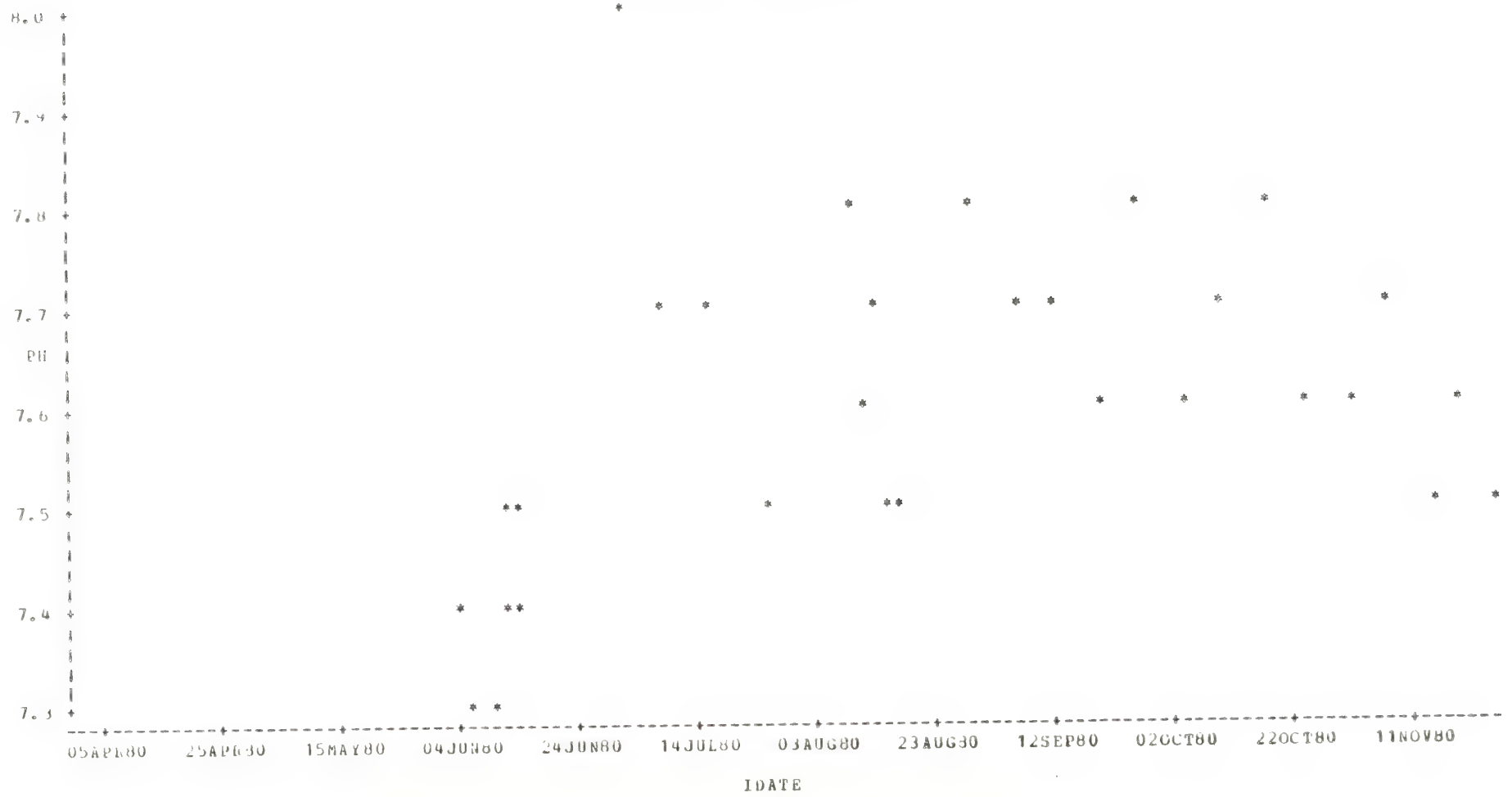
NOTE: 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D60 RPTYR=80



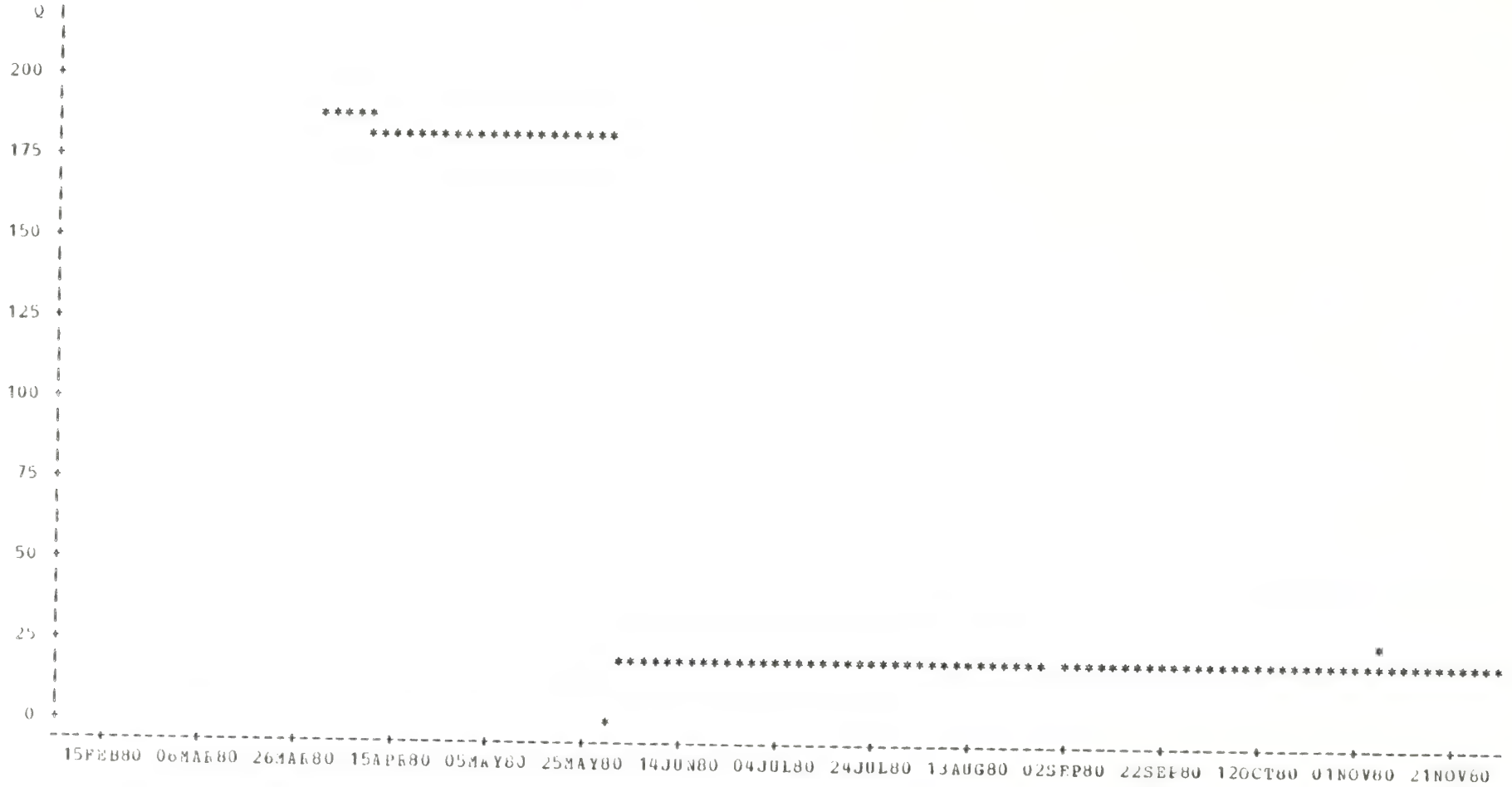
NOTE: 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D60 &PTYR=80



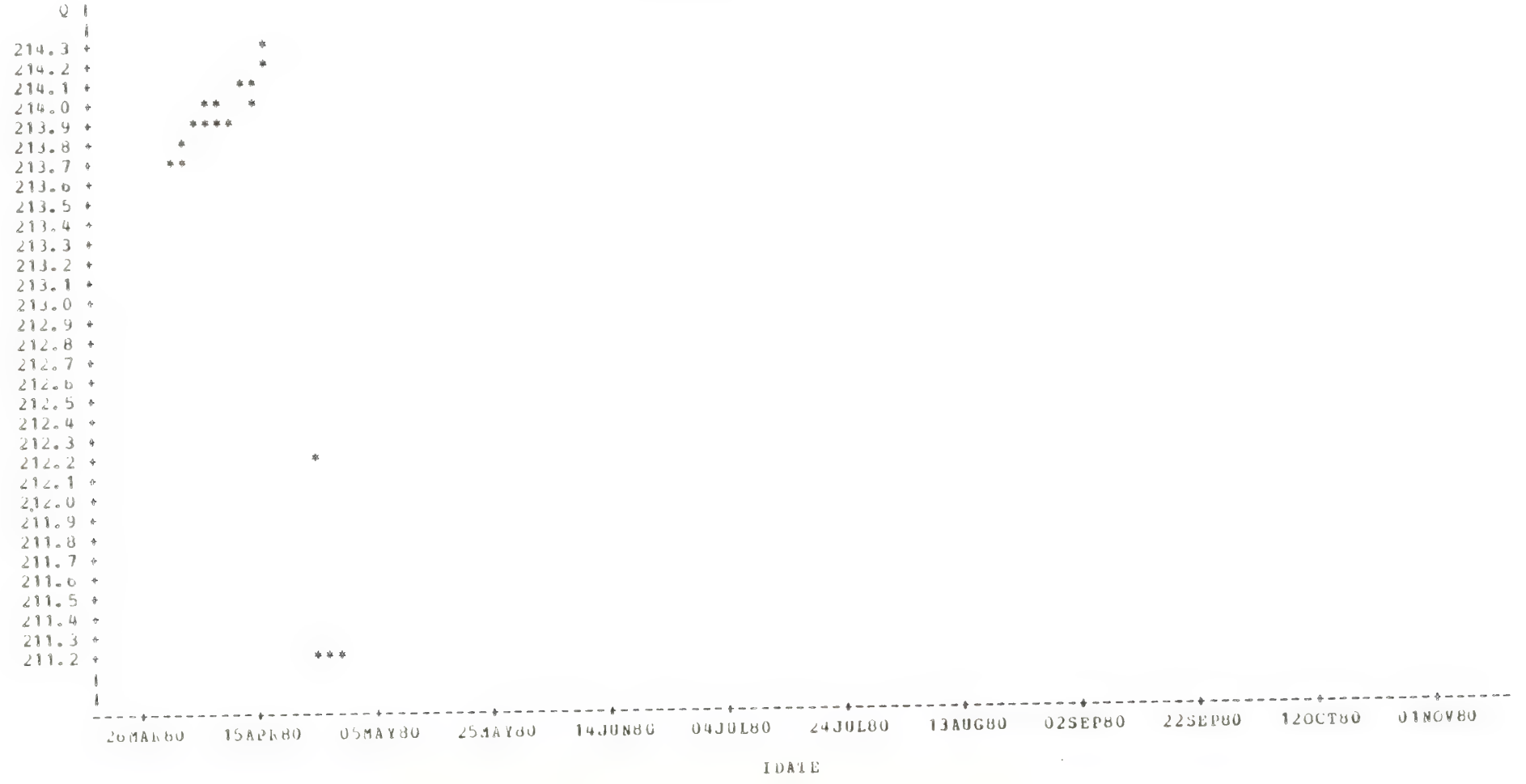
NOTE: 1 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D70 RPTYR=80



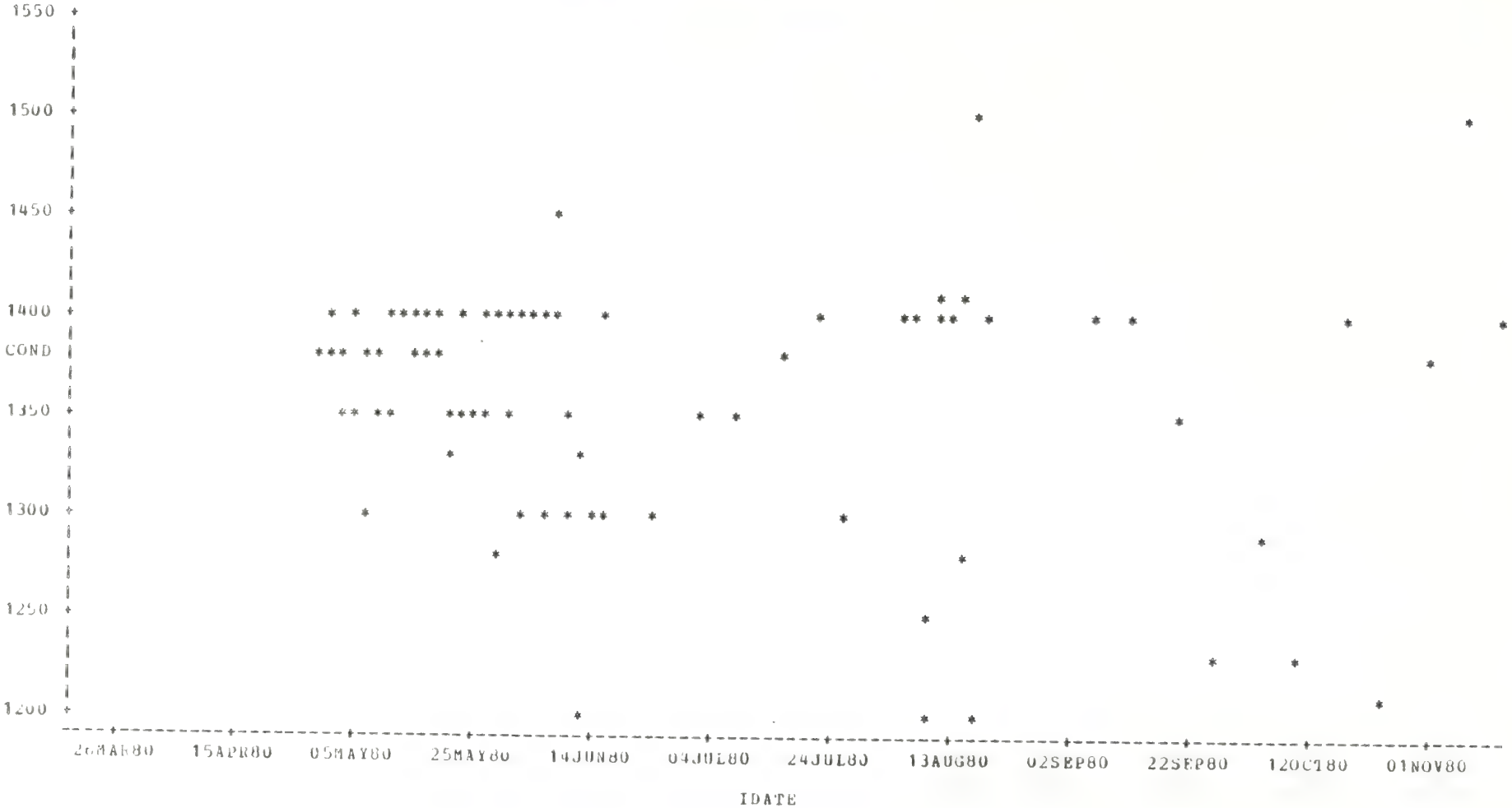
NOTE: 137 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D80 RPTYR=80



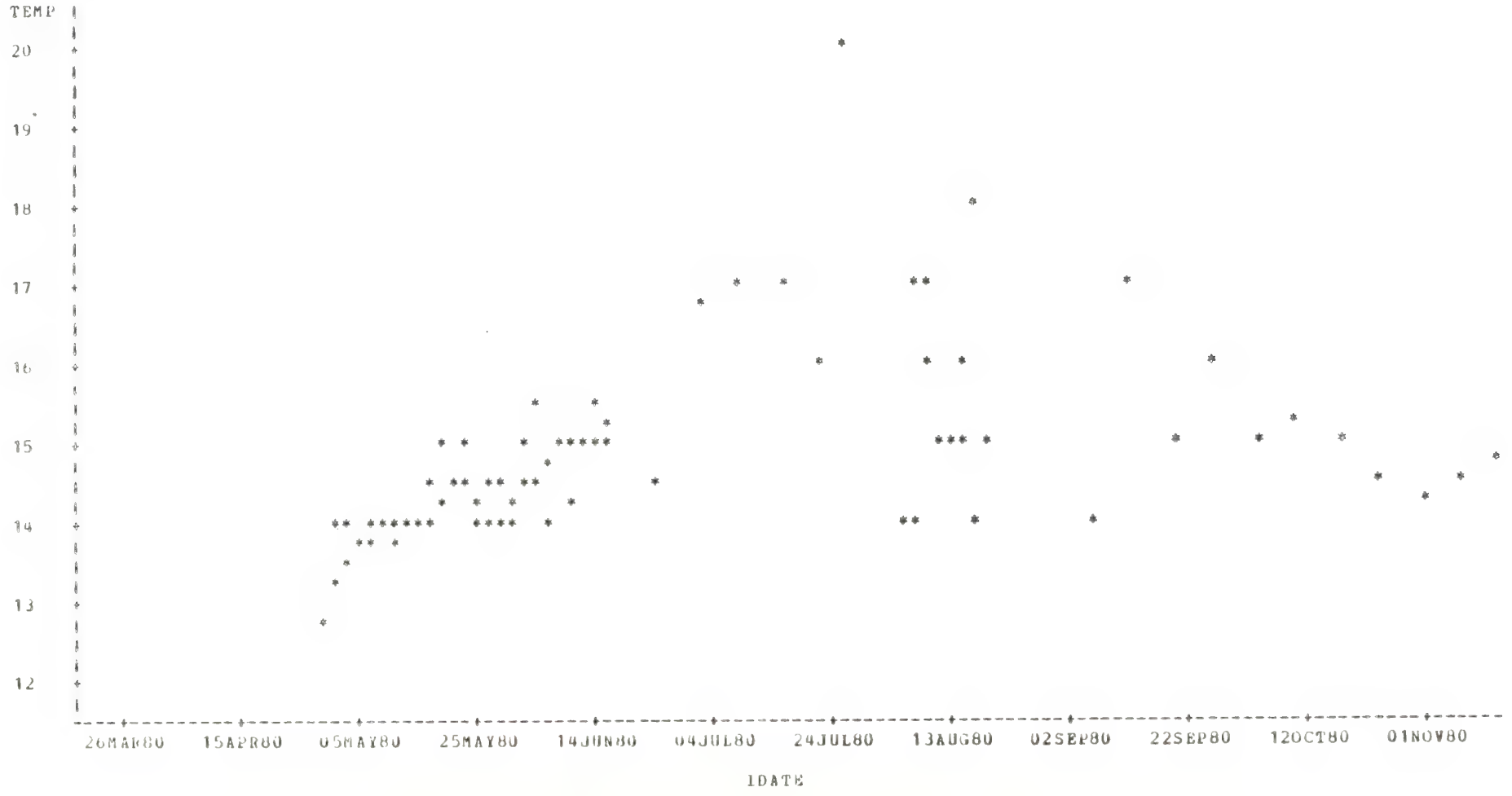
NOTE: 82 OBS HAD MISSING VALUES 4 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D80 RPTYR=80

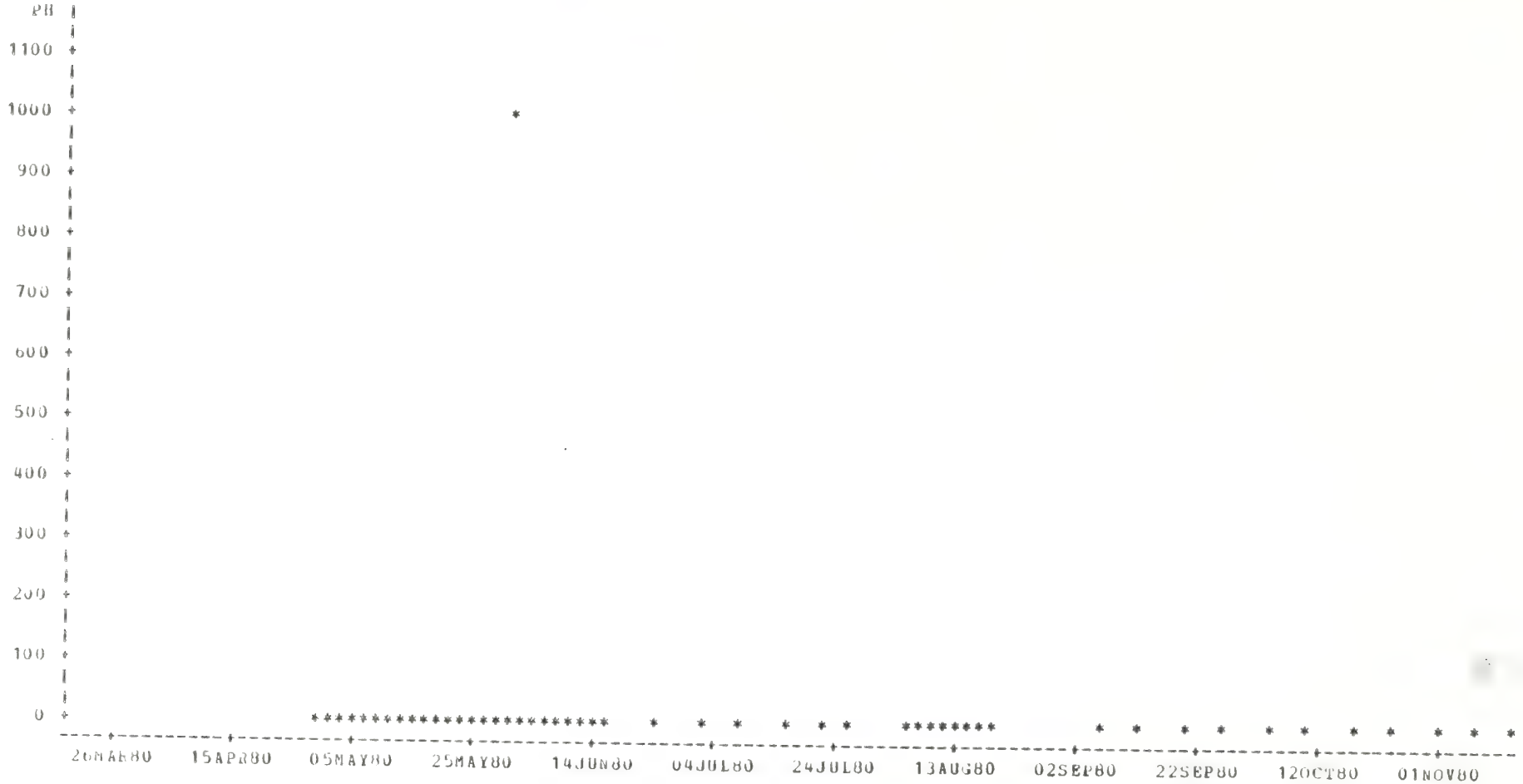


NOTE: 23 OBS HAD MISSING VALUES 7 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D8U RPTYR=80

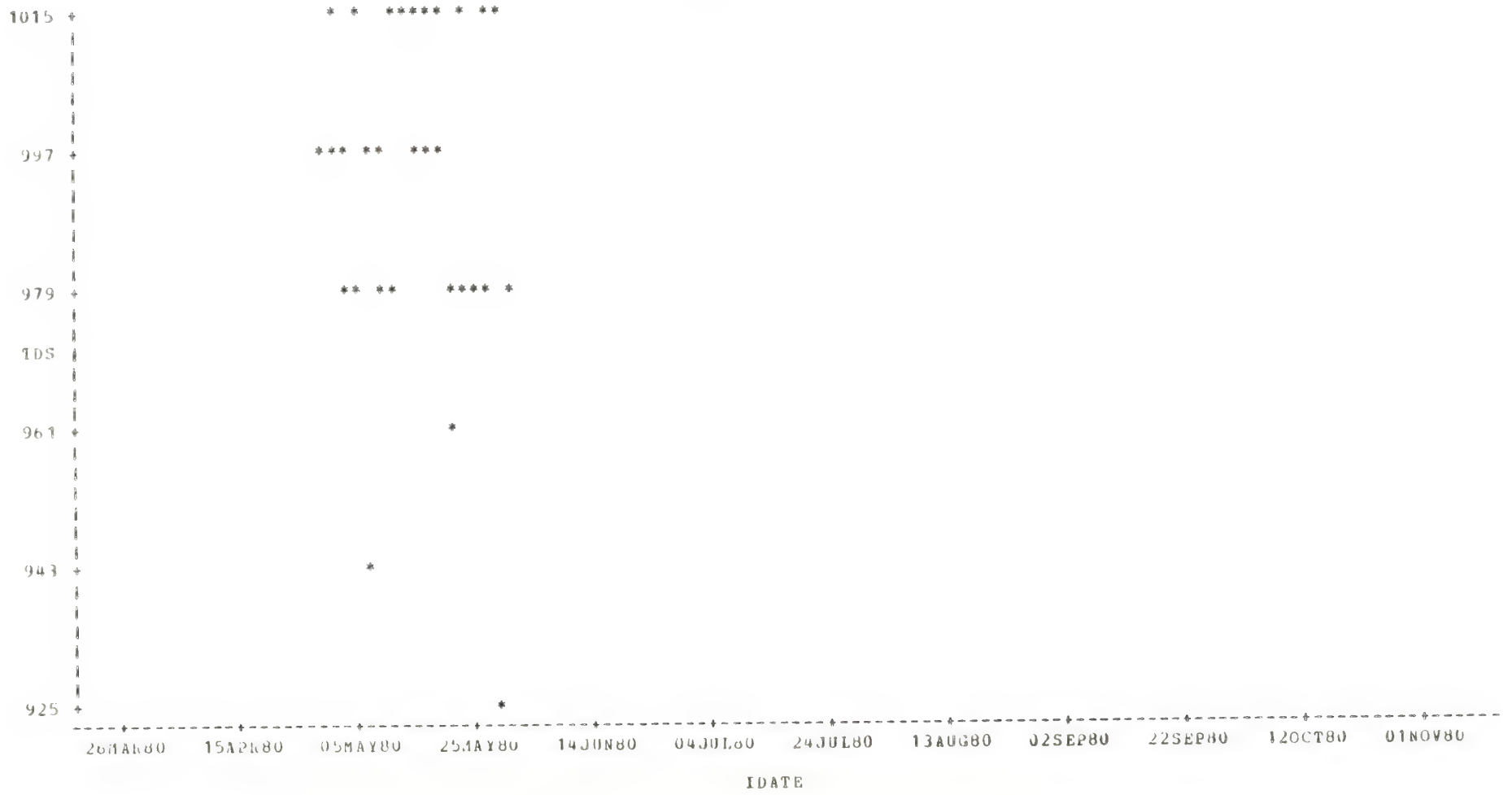


NOTE: 23 OBS HAD MISSING VALUES 10 OBS HIDDEN

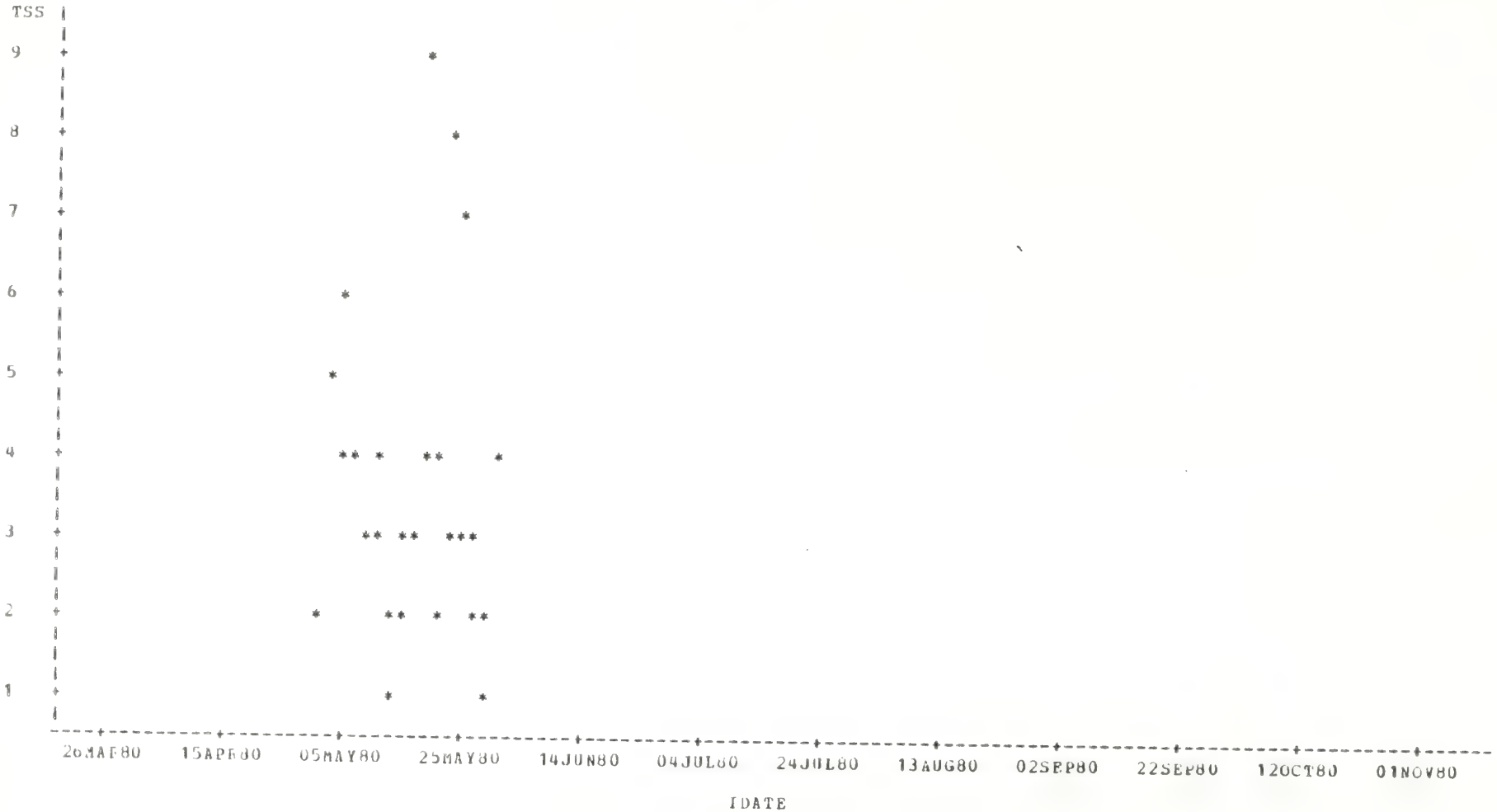


NOTE: 23 OBS HAD MISSING VALUES 30 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D80 RPTYP=80

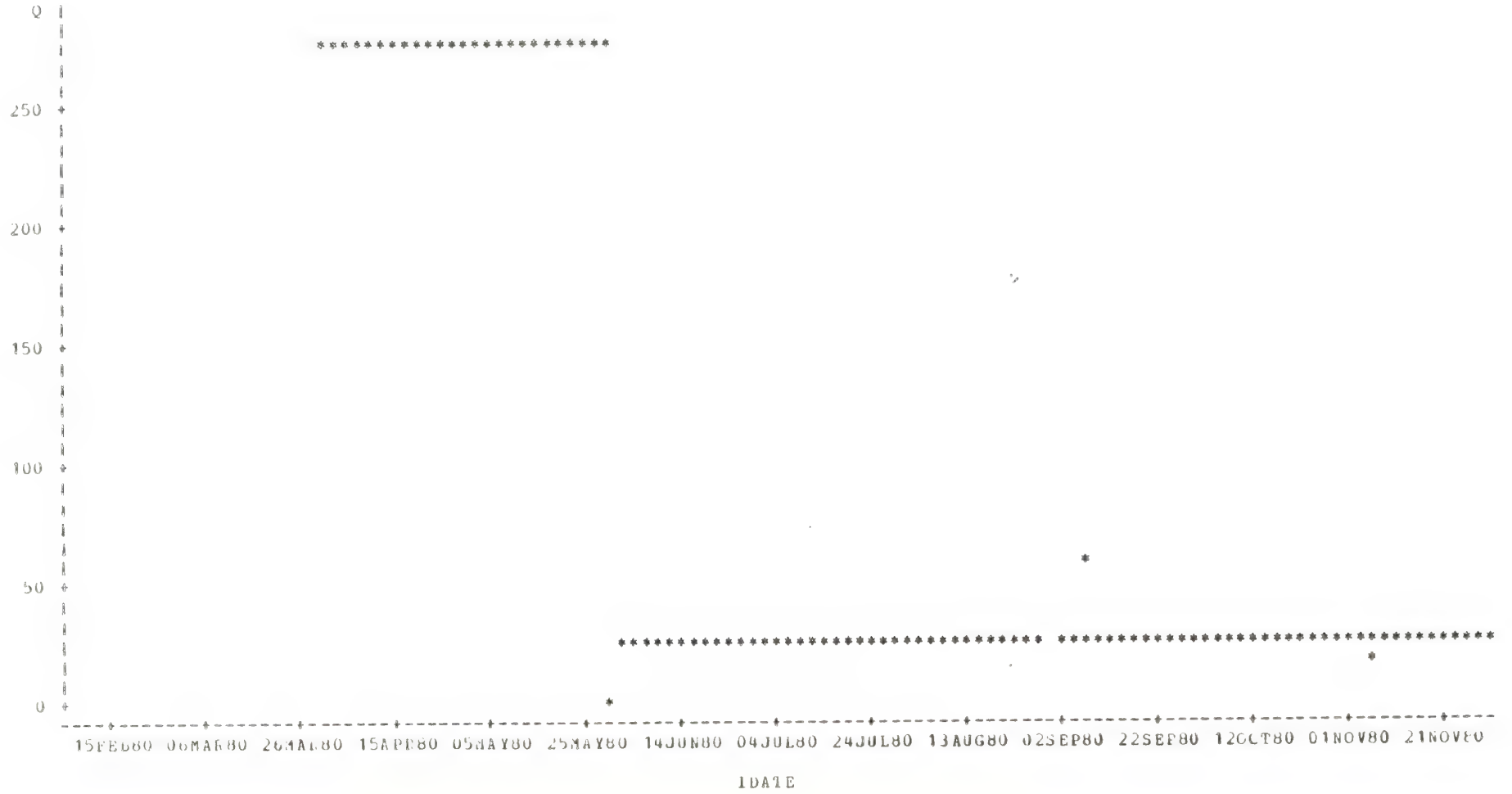


NOTE: 72 OBS HAD MISSING VALUES 2 OBS HIDDEN



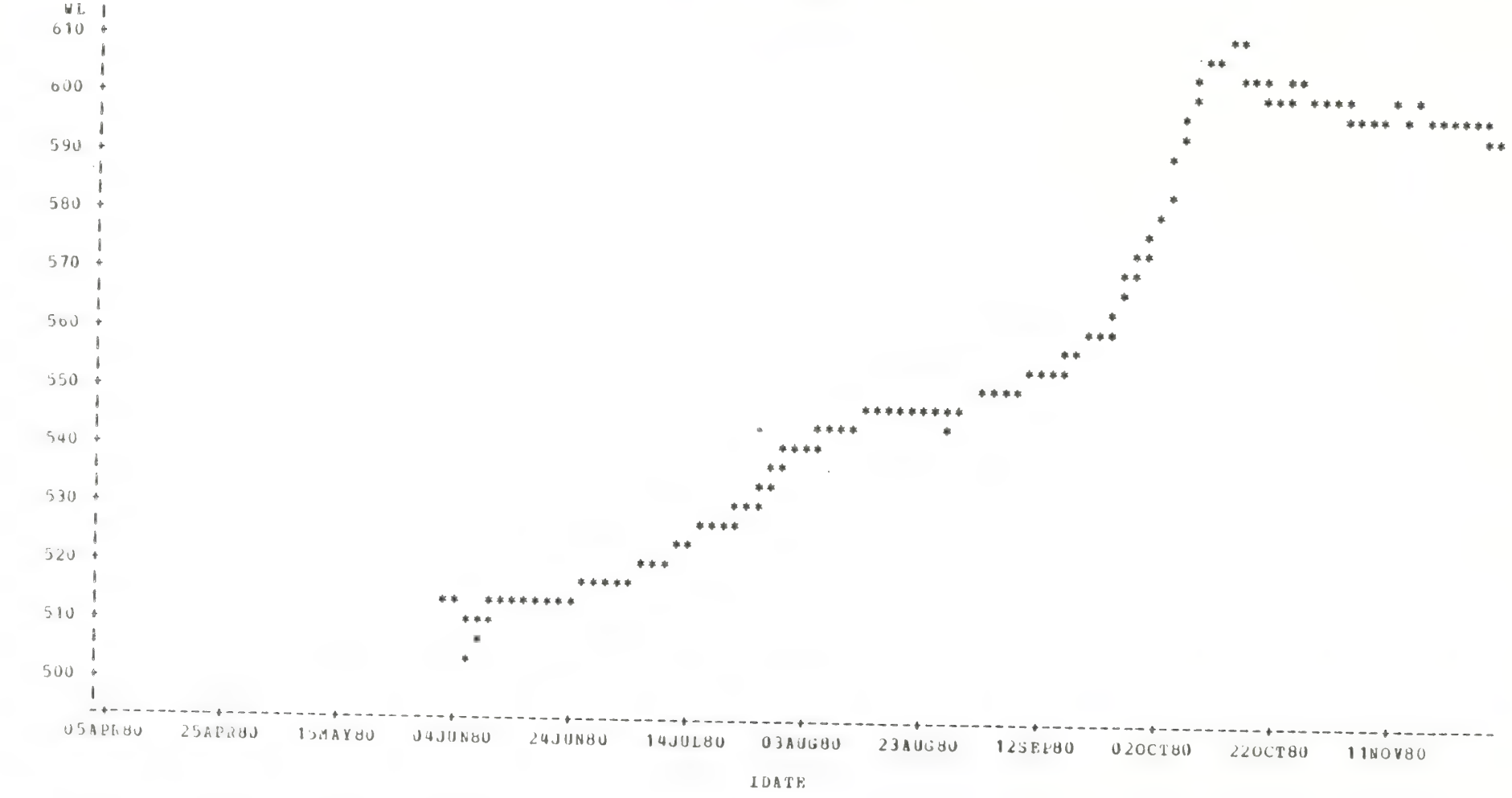
NOTE: 75 OBS HAD MISSING VALUES 3 OBS HIDDEN

RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=GS-D90 RPTYR=80



NOTE: 136 OBS HIDDEN

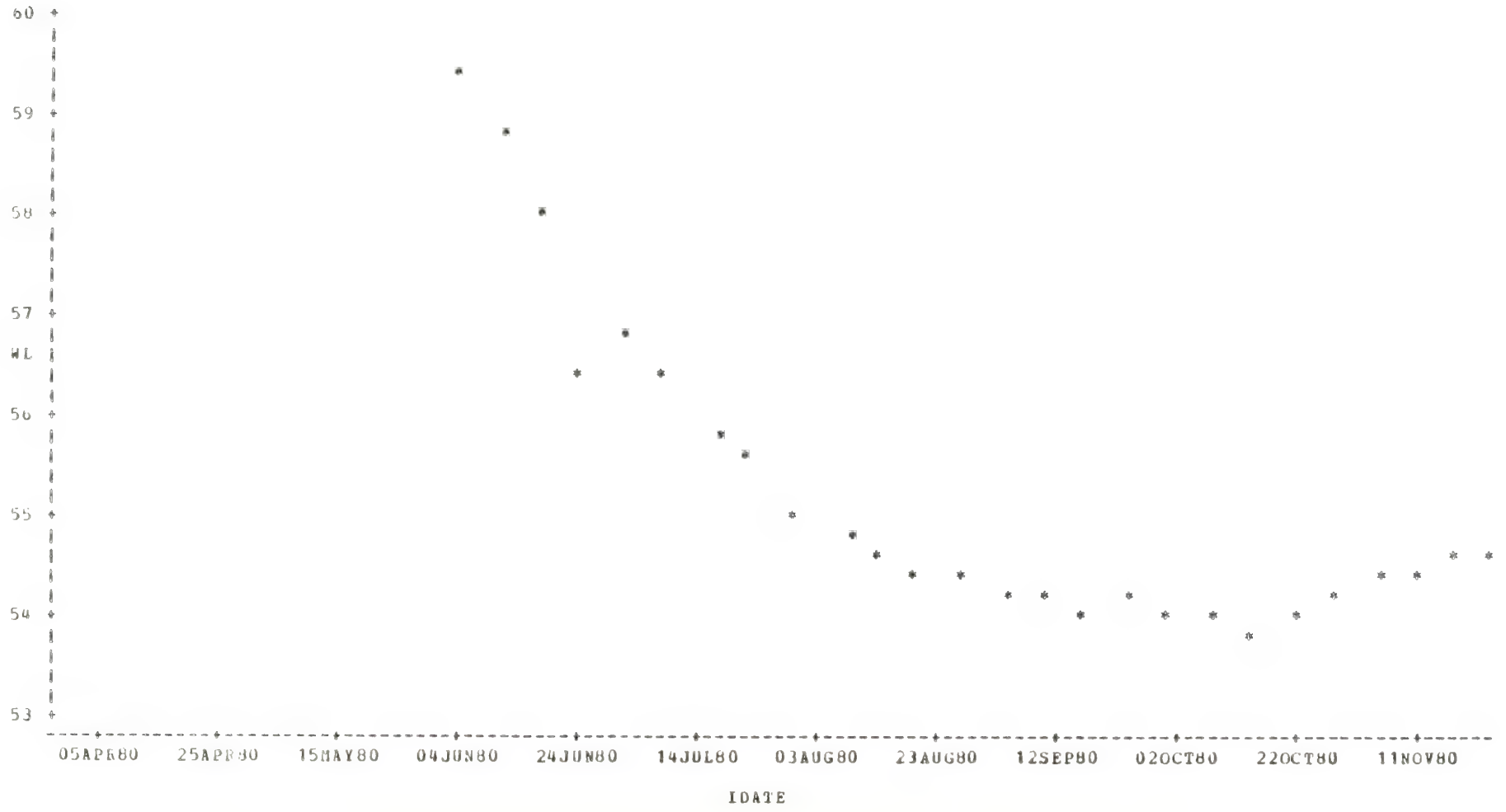
RIO BLANCO HYDROLOGY MONITORING PROGRAM
1980 REPORT YEAR
STA=GS-MDP2C0



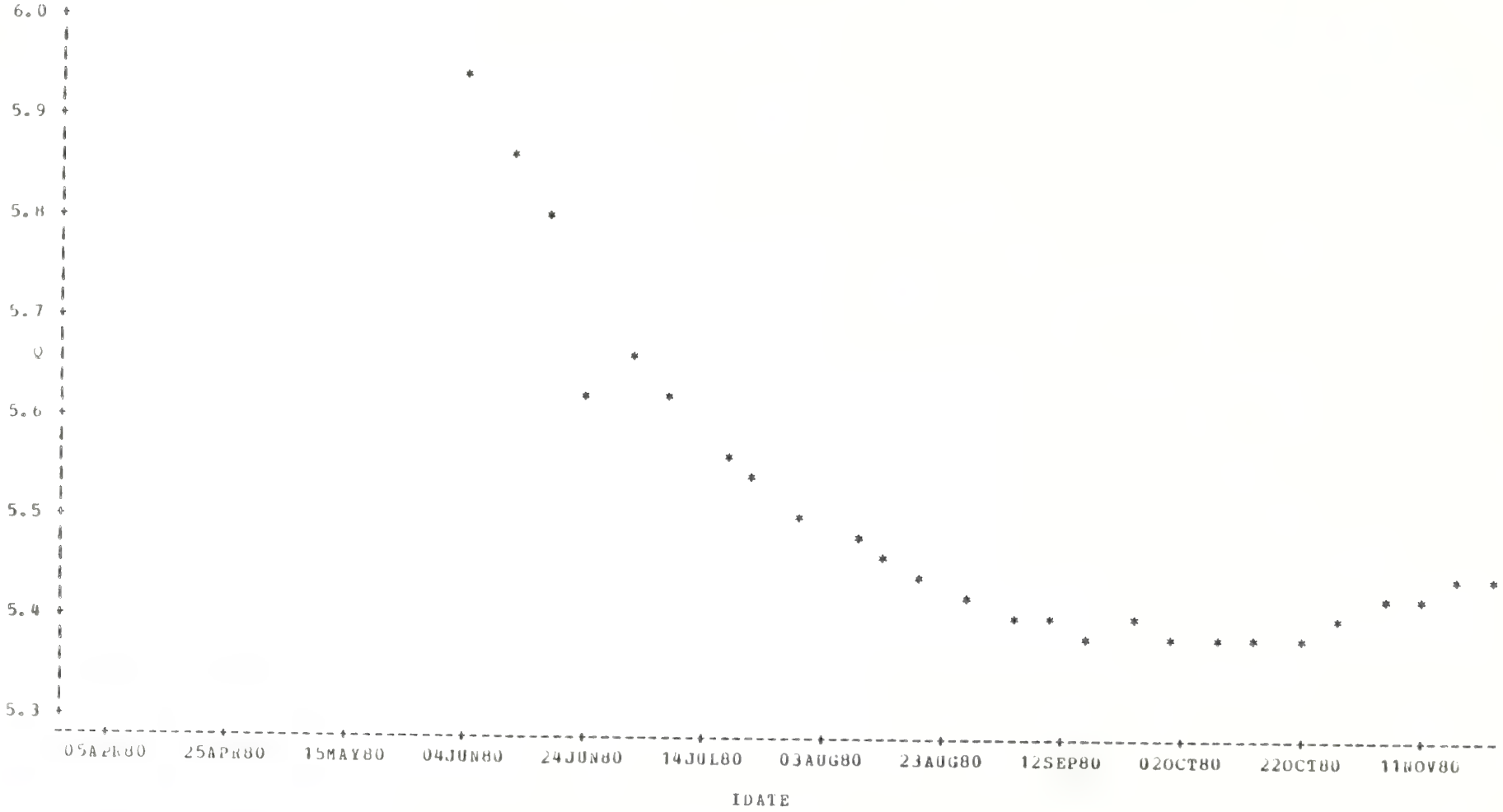
NOTE: 68 OBS HIDDEN

1980 REPORT YEAR

STA=YSTKSPG



RIO BLANCO HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING
STA=YSTKSPG RPTYR=80



APPENDIX 5-3.2

Development Activities Monitoring Data
1980 Report Year Water Quality Data

Rio Blanco Hydrology Monitoring Program Development Activities Monitoring,
1980 Report Year

STA	MO	DY	YR	TEMP	SP_COND	PH	ALK	HCO3	CO3	CA	MG	NA	CL	SO4
YCOINJ	12	26	79	..	1375	8.1	414	501	..	38	75	190	8.8	350
YCOINJ	1	31	80	..	1375	8.3	433	531	<0.1	80	76	136	13	320
YCOINJ	2	25	80	..	1350	8.2	..	..	..	..	..	215	..	..
YCOINJ	3	19	80	..	1300	8.0	450	505	20	45	71	150	9	380
YCOINJ	4	23	80	..	1400	8.1	465	532	15	39	71	205	13	370
YCOINJ	5	14	80	..	1400	8.1	416	476	13.8	26	77	190	12	325
YCOINJ	8	27	80	17.0	1340	8.4	483	537	1.3	35	72	203	9.4	313
YCOINJ	9	30	80	17.5	1420	8.4	488	557	<1	39	77	196	9.6	316
YCOINJ	10	21	80	15.0	1340	8.0	487	581	<1	39	74	202	8.3	374
GS-D5U	1	22	80	..	1300	7.9	489	592	18	29	74	190	11	238
GS-D5U	5	23	80	..	1350	7.6	509	572	24	39	73	180	24	253
GS-D5U	5	30	80	..	1425	7.3	444	542	<0.1	64	62	120	15	350
GS-D5U	7	24	80	18.5	1200	8.5	565	613	2.5	15	65	287	16	353
GS-D5U	9	18	80	24.5	1220	8.3	584	686	<1	30	60	214	6.6	217
GS-D6U	7	24	80	17.8	1400	8.1	485	568	<1	29	63	273	17	399
GS-D6U	10	22	80	16.0	1360	7.9	487	571	<1	47	62	210	8.3	364
GS-D8U	5	23	80	..	1400	7.6	594	670	<0.1	57	77	165	14	256
GS-D8U	7	24	80	17.8	1600	7.9	602	711	<1	24	77	217	16	249
GS-D8U	10	22	80	14.6	1420	7.8	614	710	<1	48	88	186	6.4	244
YERPOND	1	..	80	..	650	7.2	166	..	..	..	24	50	..	88
YERPOND	5	..	80	..	1200	10.4	160	12	90	20	34	185	85	296
YERPOND	8	1	80	..	1920	9.9	259	134	7.7	16	38	346	157	642
YERPOND	8	9	80	21.3	1876	10.0	255	129	7.7	21	36	314	157	519
YERPOND	10	22	80	13.2	1960	9.4	386	284	7.6	13	60	388	131	616
YWRPOND	5	..	80	16.8	1325	8.8	374	510	72	32	64	208	18	333
YWRPOND	5	..	80	9.5	550	7.5	167	202	4.9	56	25	45	7.6	159
YWRPOND	8	9	80	18.5	1380	8.3	494	571	<1	32	69	230	4.8	379
YWRPOND	10	22	80	15.5	1400	8.3	476	562	<1	34	74	207	9.3	391
YPZPOND4	5	..	80	7.0	1525	7.4	507	606	3.7	118	112	72	65	233
YSWPOND-1	8	9	80	21.0	1400	9.0	488	461	5.4	30	71	209	8.2	379
YSWPOND-2	8	9	80	21.0	1440	9.0	520	489	5.9	31	69	222	7.7	393
YSWPOND-3	8	9	80	22.0	1430	8.9	501	479	5.1	30	80	229	38.9	463
YSWPOND-4	8	9	80	21.0	1390	8.5	495	557	1.3	31	66	210	12.9	305

Rio Blanco Hydrology Monitoring Program Development Activities Monitoring,
1980 Report Year (Continued)

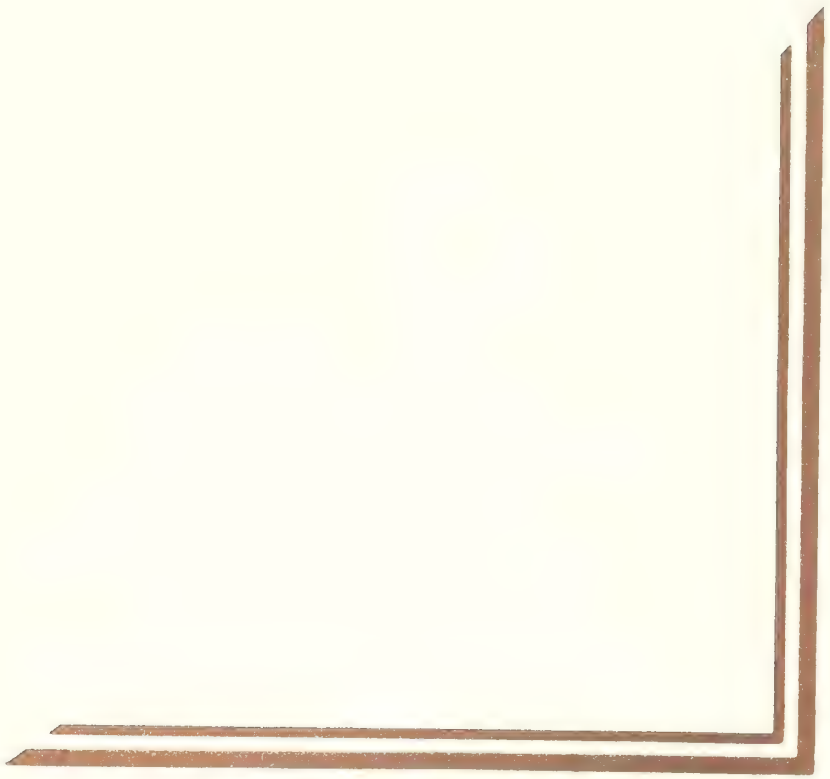
STA	MO	DY	YR	F	AS	B	MOL	V	SE	HG	DOC	TDS	K	FE
YCOINJ	12	26	79	1.5	..	0.14	..	..	..	..	..	..	0.92	..
YCOINJ	1	31	80	1.3	<0.01	0.30	..	..	<0.01	<0.001	..	962	1.3	<0.05
YCOINJ	2	25	80	..	..	..	..	..	..	..	..	..	0.75	0.05
YCOINJ	3	19	80	1.3	..	0.16	..	..	..	..	..	..	1.0	0.23
YCOINJ	4	23	80	1.4	..	0.28	..	..	..	..	..	..	0.75	0.13
YCOINJ	5	14	80	1.8	..	0.09	..	..	..	..	..	..	1.1	0.03
YCOINJ	8	27	80	1.4	..	0.32	..	..	..	..	..	1788	0.71	<0.05
YCOINJ	9	30	80	1.4	..	0.71	..	..	..	..	..	964	0.58	<0.05
YCOINJ	10	21	80	1.2	..	0.55	..	..	..	..	10	1040	0.42	0.08
GS-D5U	1	22	80	1.6	..	0.16	..	..	..	..	..	..	0.75	0.44
GS-D5U	5	23	80	1.4	<0.01	0.60	..	..	<0.01	<0.001	6.0	932	1.7	0.18
GS-D5U	5	30	80	0.7	<0.01	0.30	..	..	<0.01	<0.001	9.0	1000	2.3	0.08
GS-D5U	7	24	80	0.6	..	0.53	..	..	..	..	25	1016	0.39	0.13
GS-D5U	9	18	80	1.4	..	..	..	..	..	..	84	840	0.38	15.2
GS-D6U	7	24	80	0.3	..	0.46	..	..	..	..	33	1088	0.38	0.1
GS-D6U	10	22	80	0.7	<0.01	0.42	<0.1	<0.5	0.13	<0.3	17	996	0.29	<0.05
GS-D8U	5	23	80	1.0	<0.01	0.20	..	..	<0.01	<0.001	6	952	2.0	0.09
GS-D8U	7	24	80	0.4	..	0.50	..	..	..	..	34	1032	0.36	0.12
GS-D8U	10	22	80	0.9	<0.01	0.35	<0.1	<0.5	<0.01	<0.3	25	1032	0.25	0.22
YERPOND	1	..	80	0.2	..	0.20	..	..	..	..	8.1	..	9.5	0.14
YERPOND	5	..	80	0.7	<0.01	0.20	..	..	<0.01	<0.001	220	686	7.5	<0.05
YERPOND	8	1	80	1.2	<0.01	0.24	<0.1	<0.5	<0.01	<0.3	..	1240	6.7	<0.05
YERPOND	8	9	80	1.2	..	<0.01	..	..	..	..	..	1220	4.6	<0.05
YERPOND	10	22	80	2.2	0.02	0.21	<0.1	<0.5	0.02	<0.3	11	1432	2.0	0.09
YWRPOND	5	..	80	1.4	<0.01	0.20	..	..	<0.01	<0.001	11	943	2.3	<0.05
YWRPOND	5	..	80	0.5	..	0.02	..	..	..	..	..	..	2.1	0.10
YWRPOND	8	9	80	1.8	..	<0.01	..	..	..	..	..	980	0.59	<0.05
YWRPOND	10	22	80	1.4	0.02	0.18	<0.1	<0.5	0.06	<0.3	27	1016	0.48	0.07
YPZPOND4	5	..	80	0.3	..	0.07	..	..	..	..	..	..	3	0.19
YSWPOND-1	8	9	80	1.6	..	<0.01	..	..	..	..	..	996	0.65	<0.05
YSWPOND-2	8	9	80	1.7	..	<0.01	..	..	..	..	..	1068	0.66	<0.05
YSWPOND-3	8	9	80	1.8	..	0.02	..	..	..	..	..	1072	0.70	<0.05
YSWPOND-4	8	9	80	1.7	..	<0.01	..	..	..	..	..	1000	0.65	<0.05

Rio Blanco Hydrology Monitoring Program Development Activities Monitoring,
1980 Report Year (Continued)

STA	MO	DY	YR	PO4	SIO2	HARD	NO3	NH3	CD	CR	PB	SULF	ZN	α
YCOINJ	12	26	79	..	26	..	0.007	..	..	..	..	..	..	..
YCOINJ	1	31	80	<0.1	24	..	<0.1	1.1	<0.01	<0.01	0.02	<0.02	0.05	1.6
YCOINJ	2	25	80	..	..	..	0.710	..	..	..	..	..	..	..
YCOINJ	3	19	80	..	21	408	0.047	..	..	..	..	..	..	..
YCOINJ	4	23	80	..	28	397	1.26	..	..	..	..	..	..	..
YCOINJ	5	14	80	..	27	..	0.565	..	..	..	..	..	..	..
YCOINJ	8	27	80	..	19	384	1.0	..	..	..	..	..	..	..
YCOINJ	9	30	80	..	27	414	0.1	..	..	..	..	..	..	..
YCOINJ	10	21	80	..	29	402	0.1	..	..	..	..	..	..	..
GS-D5U	1	22	80	..	29	..	0.01	..	..	..	..	..	..	..
GS-D5U	5	23	80	<0.1	18	..	<0.1	0.3	<0.01	<0.01	<0.01	0.4	0.06	0.8
GS-D5U	5	30	80	<0.1	20	..	<0.1	0.6	<0.01	<0.01	0.01	<0.2	0.05	1.0
GS-D5U	7	24	80	..	25	306	4.7	..	..	..	..	..	..	..
GS-D5U	9	18	80	..	31	321	<0.1	..	..	..	..	..	..	..
GS-D6U	7	24	80	..	25	329	4.6	..	..	..	..	..	..	..
GS-D6U	10	22	80	..	29	373	0.2	0.3	<0.01	<0.01	<0.1	2.8	0.02	..
GS-D8U	5	23	80	<0.1	23		<0.01	0.3	<0.01	<0.01	0.01	0.6	0.04	2.4
GS-D8U	7	24	80	..	25	375	<0.1	..	..	..	..	..	..	..
GS-D8U	10	22	80	0.01	32	481	<0.1	0.2	<0.01	<0.01	<0.1	19.8	0.01	..
YERPOND	1	..	80	3.1	19.5	..	2.1	..	..	..	..	..	..	..
YERPOND	5	..	80	<0.1	3.6	..	<0.1	0.3	<0.01	<0.01	0.01	<0.2	0.05	..
YERPOND	8	1	80	0.28	15	196	6.5	<0.1	<0.01	<0.01	<0.1	9.5	<0.01	1
YERPOND	8	9	80	0.11	12	200	1.5	<0.1	..	..	..	..	..	..
YERPOND	10	22	80	0.02	10	280	0.4	0.2	<0.01	<0.01	<0.1	0.2	0.03	..
YWRPOND	5	..	80	<0.1	27	..	0.6	0.2	<0.01	<0.01	0.02	<0.2	0.03	..
YWRPOND	5	..	80	..	14	304	0.9	0.3	..	..	..	..	..	..
YWRPOND	8	9	80	<0.01	28	364	3.8	0.3	..	..	..	..	..	..
YWRPOND	10	22	80	0.01	24	390	0.2	0.2	<0.01	<0.01	<0.1	0.9	0.02	..
YPZPOND4	5	..	80	..	19	788	47	0.6	..	..	..	..	..	..
YSWPOND-1	8	9	80	<0.01	23	366	3.5	<0.1	..	..	..	..	..	..
YSWPOND-2	8	9	80	<0.01	25	362	7.5	0.1	..	..	..	..	..	..
YSWPOND-3	8	9	80	<0.01	27	403	1.4	0.1	..	..	..	..	..	..
YSWPOND-4	8	9	80	<0.01	29	349	2.4	0.4	..	..	..	..	..	..

Rio Blanco Hydrology Monitoring Program Development Activities Monitoring,
1980 Report Year (Continued)

STA	MO	DY	YR	β	CYN	NI	BR	COD	PHENOL	SR	AL	CU	MN	BA
YCOINJ	12	26	79	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	1	31	80	61	<0.01	<0.01	<0.1	5	<0.001	1.6	..	..	..	..
YCOINJ	2	25	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	3	19	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	4	23	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	5	14	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	8	27	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	9	30	80	..	..	..	..	..	..	..	..	..	..	..
YCOINJ	10	21	80	..	..	..	..	..	..	..	..	..	..	..
GS-D5U	1	22	80	..	..	..	..	..	..	..	..	..	..	..
GS-D5U	5	23	80	..	<0.01	..	<0.1	20	<0.001	1.7	0.1	..	..	..
GS-D5U	5	30	80	..	<0.01	..	<0.1	5.1	<0.001	1.9	0.1	..	..	..
GS-D5U	7	24	80	..	..	..	..	..	..	..	..	..	..	..
GS-D5U	9	18	80	..	..	..	..	..	..	..	..	..	..	..
GS-D6U	7	24	80	..	..	..	..	..	..	..	..	..	..	..
GS-D6U	10	22	80	..	<0.05	..	0.9	8	0.76	5.7	<0.1	<0.01	<0.01	<0.1
GS-D8U	5	23	80	..	<0.01	..	<0.1	26	<0.001	1.6	0.1	..	..	..
GS-D8U	7	24	80	..	..	..	..	..	..	..	..	..	..	..
GS-D8U	10	22	80	..	<0.05	<0.05	<0.2	25	<0.05	5.1	<0.1	<0.01	<0.01	<0.1
YERPOND	1	..	80	..	..	..	..	..	..	..	..	..	..	..
YERPOND	5	..	80	..	<0.01	..	<0.1	26	<0.001	0.9	0.1	..	..	..
YERPOND	8	1	80	7	<0.05	<0.05	<0.2	24	<0.05	1.9	<0.1	<0.01	<0.01	<0.01
YERPOND	8	9	80	..	..	..	..	..	..	..	..	..	..	..
YERPOND	10	22	80	..	<0.05	<0.05	0.4	35	0.9	2.3	<0.1	<0.01	0.11	<0.1
YWRPOND	5	..	80	..	<0.01	..	<0.1	10	<0.001	1.8	0.1	..	..	..
YWRPOND	5	..	80	..	..	..	..	..	..	..	..	..	..	..
YWRPOND	8	9	80	..	..	..	..	..	..	..	..	..	..	..
YWRPOND	10	22	80	..	<0.05	<0.05	0.5	33	0.19	5.3	<0.1	<0.01	<0.01	<0.1
YPZPOND4	5	..	80	..	..	..	..	..	..	..	..	..	..	..
YSWPOND-1	8	9	80	..	..	..	..	..	..	..	..	..	..	..
YSWPOND-2	8	9	80	..	..	..	..	..	..	..	..	..	..	..
YSWPOND-3	8	9	80	..	..	..	..	..	..	..	..	..	..	..
YSWPOND-4	8	9	80	..	..	..	..	..	..	..	..	..	..	..



APPENDIX 6-2

Revegetation Data

APPENDIX 6-2.1

Coverage Data (%) for Species by Growth Form Occurring on Experimental Revegetation Plots R-1 and R-2 During 1980

Coverage data (%) for species occurring within treatment combinations on plot R-1.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
1	ASTRAGALUS CICER	0	2	1	0	0.75
2	HEDYSARUM UTAHENSIS	0	3	4	0	1.75
3	LINUM LEWISII	0	3	7	0	2.50

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
4	CHAENACTIS DOUGLASII	0	1	0	2	0.75
5	GUTIERREZIA SAROTHRAE	0	2	1	1	1.00
6	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
7	PHYSARIA FLORIBUNDA	0	0	0	1	0.25

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
8	ASTRAGALUS CICER	5	0	0	0	1.25
9	LINUM LEWISII	6	2	0	2	2.50
10	MELILOTUS OFFICINALIS	3	4	3	4	3.50
11	SPHAERALCEA COCCINEA	0	1	0	1	0.50

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
12	CHAENACTIS DOUGLASII	0	2	0	1	0.75
13	GUTIERREZIA SAROTHRAE	0	4	0	0	1.00
14	IPOMOPSIS AGGREGATA	0	0	1	2	0.75
15	SALSOLA KALI	0	4	0	1	1.25

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
16	LINUM LEWISII	6	0	0	0	1.5
17	MELILOTUS OFFICINALIS	8	4	14	18	11.0

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
18	CHAENACTIS DOUGLASII	0	1	3	0	1.00
19	CRYPTANTHA SERICEA	5	0	0	1	1.50
20	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
21	SALSOLA KALI	9	1	2	23	8.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
22	AGROPYRON SPECIES	17	13	16	17	15.75
23	AGROPYRON TRICHOPHORUM	1	0	3	2	1.50
24	ELYMUS CINEREUS	0	0	0	1	0.25
25	STIPA VIRIDULA	14	3	3	3	5.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
26	AGROPYRON SPECIES	18	5	22	11	14.00
27	AGROPYRON TRICHOPHORUM	2	7	2	3	3.50
28	STIPA VIRIDULA	4	9	3	3	4.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
29	AGROPYRON SPECIES	1	38	8	4	12.75
30	AGROPYRON TRICHOPHORUM	8	1	5	2	4.00

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
31	AGROPYRON CRISTATUM	2	0	0	0	0.5

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
32	CHRYSOTHAMNUS NAUSEOSUS	1	3	5	3	3.00
33	EUROTIA LANATA	0	1	2	0	0.75
34	PURSHIA TRIDENTATA	0	0	2	3	1.25

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
35	CHRYSOTHAMNUS NAUSEOSUS	2	6	3	0	2.75
36	CHRYSOTHAMNUS VISIDIFLORUS	0	0	4	0	1.00
37	EUROTIA LANATA	6	0	6	2	3.50

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
38	CHRYSOTHAMNUS NAUSEOSUS	1	8	0	0	2.25
39	EUROTIA LANATA	0	4	3	0	1.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
40	LINUM LEWISII	0	5	3	1	2.25
41	MELILOTUS OFFICINALIS	23	10	24	33	22.50
42	SPHAERALCEA COCCINEA	0	0	1	0	0.25

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
43	GUTIERREZIA SAROTHRAE	0	0	6	0	1.50
44	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
45	SALSOLA KALI	11	2	0	0	3.25
46	UNKNOWN FORBS	0	0	0	1	0.25

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
47	ASTRAGALUS CICER	9	0	0	0	2.25
48	LINUM LEWISII	1	6	2	0	2.25
49	MELILOTUS OFFICINALIS	5	8	10	9	8.00

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
50	CHAENACTIS DOUGLASII	4	7	0	3	3.50
51	CRYPTANTHA SERICEA	1	0	0	0	0.25
52	IPOMOPSIS AGGREGATA	0	1	1	0	0.50
53	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
54	SALSOLA KALI	0	0	2	0	0.50

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
55	LINUM LEWISII	0	1	5	4	2.5
56	MELILOTUS OFFICINALIS	9	16	12	7	11.0
57	PENSTEMON STRICTUS	0	0	4	0	1.0

PERCENT COVER OF PLANT SPECIES

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
58	ASTER SPECIES	6	0	1	0	1.75
59	CHAENACTIS DOUGLASII	2	0	0	0	0.50
60	GUTIERREZIA SAROTHRAE	0	0	8	0	2.00
61	SALSOLA KALI	1	2	2	3	2.00

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
62	AGROPYRON SPECIES	3	5	2	7	4.25
63	AGROPYRON TRICHOPHORUM	2	1	0	1	1.00
64	ORYZOPSIS HYMENOIDES	3	0	0	0	0.75
65	STIPA VIRIDULA	2	3	0	0	1.25

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
66	AGROPYRON CRISTATUM	0	2	0	0	0.5
67	BROMUS TECTORUM	2	0	3	11	4.0

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
68	AGROPYRON SPECIES	4	12	6	2	6.00
69	AGROPYRON TRICHOPHORUM	2	0	2	0	1.00
70	ORYZOPSIS HYMENOIDES	8	0	1	8	4.25
71	STIPA VIRIDULA	0	0	6	0	1.50

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
72	BROMUS TECTORUM	26	7	0	39	18

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
73	AGROPYRON SPECIES	16	3	4	8	7.75
74	AGROPYRON TRICHOPHORUM	1	6	5	2	3.50
75	ORYZOPSIS HYMENOIDES	0	6	0	0	1.50
76	STIPA VIRIDULA	5	0	0	5	2.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
77	BROMUS TECTORUM	0	2	6	0	2

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
78	ARTEMISIA TRIDENTATA	0	0	6	0	1.50
79	ATRIPLEX CANESCENS	0	0	4	0	1.00
80	EUROTIA LANATA	7	0	0	0	1.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
81	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	0	0.25
82	EUROTIA LANATA	1	0	0	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
83	EUROTIA LANATA	0	0	0	8	2

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
84	ASTRAGALUS CICER	10	0	0	11	5.25
85	HEDYSARUM UTAHENSIS	3	0	0	0	0.75
86	LINUM LEWISII	0	1	2	1	1.00
87	MELILOTUS OFFICINALIS	2	0	3	1	1.50

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
88	ASTER SPECIES	0	0	1	0	0.25
89	CHAENACTIS DOUGLASII	1	0	0	0	0.25
90	GUTIERREZIA SAROTHRAE	0	0	3	0	0.75

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
91	LINUM LEWISII	1	0	0	1	0.5
92	MELILOTUS OFFICINALIS	0	3	0	7	2.5

---------- MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
93	ASTER SPECIES	0	1	0	0	0.25
94	GUTIERREZIA SAROTHRAE	4	0	0	0	1.00
95	IPOMOPSIS AGGREGATA	0	1	2	0	0.75
96	SALSOLA KALI	0	0	2	1	0.75

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
97	HEDYSARUM UTAHENSIS	0	0	0	6	1.50
98	LINUM LEWISII	2	3	1	1	1.75
99	MELILOTUS OFFICINALIS	3	0	2	13	4.50
100	PENSTEMON STRICTUS	3	0	0	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
101	ASTER SPECIES	0	1	0	0	0.25
102	CHAENACTIS DOUGLASII	5	0	1	0	1.50
103	PHYSARIA FLORIBUNDA	1	1	0	0	0.50
104	SALSOLA KALI	1	1	1	1	1.00
105	UNKNOWN FORBS	0	0	0	4	1.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
106	AGROPYRON SPECIES	17	23	6	9	13.75
107	AGROPYRON TRICHOPHORUM	0	2	4	3	2.25
108	ORYZOPSIS HYMENOIDES	0	0	2	0	0.50
109	STIPA VIRIDULA	0	2	13	2	4.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
110	BROMUS TECTORUM	4	2	2	2	2.5

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
111	AGROPYRON SPECIES	21	18	14	9	15.50
112	AGROPYRON TRICHOPHORUM	3	0	0	0	0.75
113	ORYZOPSIS HYMENOIDES	2	0	0	0	0.50
114	STIPA VIRIDULA	6	8	4	1	4.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
115	AGROPYRON CRISTATUM	0	2	0	0	0.50
116	BROMUS TECTORUM	0	0	3	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
117	AGROPYRON SPECIES	5	15	16	21	14.25
118	AGROPYRON TRICHOPHORUM	1	4	2	1	2.00
119	STIPA VIRIDULA	0	0	7	0	1.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
120	AGROPYRON CRISTATUM	0	12	0	0	3

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
121	CHRYSOTHAMNUS NAUSEOSUS	0	1	6	0	1.75
122	EUROTIA LANATA	0	4	2	0	1.50

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
123	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	3	1.00
124	CHRYSOTHAMNUS VISIDIFLORUS	5	1	0	0	1.50
125	EUROTIA LANATA	5	2	0	0	1.75
126	PURSHIA TRIDENTATA	0	1	0	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
127	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25
128	EUROTIA LANATA	3	1	0	1	1.25
129	PURSHIA TRIDENTATA	0	0	5	0	1.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
130	LINUM LEWISII	1	1	3	3	2.00
131	MELILOTUS OFFICINALIS	9	8	2	2	5.25
132	SPHAERALCEA COCCINEA	1	0	0	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
133	ASTER SPECIES	0	0	0	1	0.25
134	GUTIERREZIA SAROTHRAE	2	7	0	8	4.25
135	IPOMOPSIS AGGREGATA	3	0	1	1	1.25
136	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
137	SALSOLA KALI	0	0	0	3	0.75
138	UNKNOWN FORBS	1	3	0	0	1.00
139	UNKNOWN FORBS	0	0	0	4	1.00

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
140	LINUM LEWISII	2	0	0	0	0.50
141	MELILOTUS OFFICINALIS	3	9	19	0	7.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
142	CHAENACTIS DOUGLASII	0	0	0	1	0.25
143	GUTIERREZIA SAROTHRAE	0	0	2	0	0.50
144	SALSOLA KALI	0	12	0	0	3.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
145	ASTRAGALUS CICER	0	0	9	0	2.25
146	LINUM LEWISII	0	3	3	0	1.50
147	MELILOTUS OFFICINALIS	11	21	0	0	8.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
148	CHAENACTIS DOUGLASII	0	0	1	0	0.25
149	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25
150	SALSOLA KALI	9	4	0	2	3.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
151	AGROPYRON SPECIES	9	9	17	12	11.75
152	AGROPYRON TRICHOPHORUM	0	1	1	1	0.75
153	ORYZOPSIS HYMENOIDES	0	2	1	0	0.75
154	STIPA VIRIDULA	8	3	4	0	3.75

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
155	BROMUS TECTORUM	2	0	0	2	1

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
156	AGROPYRON SPECIES	18	12	18	21	17.25
157	AGROPYRON TRICHOPHORUM	3	8	7	2	5.00
158	ORYZOPSIS HYMENOIDES	5	0	8	1	3.50
159	STIPA VIRIDULA	0	11	0	26	9.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
160	AGROPYRON CRISTATUM	4	0	0	0	1.0
161	BROMUS TECTORUM	0	2	0	0	0.5

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
162	AGROPYRON SPECIES	4	5	15	21	11.25
163	AGROPYRON TRICHOPHORUM	3	1	1	2	1.75
164	STIPA VIRIDULA	0	0	3	3	1.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
165	AGROPYRON CRISTATUM	0	0	3	0	0.75
166	BROMUS TECTORUM	19	9	2	0	7.50

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
167	CHRYSOTHAMNUS NAUSEOSUS	6	0	0	0	1.5
168	EUROTIA LANATA	0	1	1	0	0.5

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
169	CHRYSOTHAMNUS NAUSEOSUS	0	0	7	0	1.75
170	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	3	0.75
171	EUROTIA LANATA	2	3	6	2	3.25
172	PURSHIA TRIDENTATA	1	0	0	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
173	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
174	CHRYSOTHAMNUS NAUSEOSUS	4	0	0	0	1.00
175	CHRYSOTHAMNUS VISIDIFLORUS	2	0	3	1	1.50
176	EUROTIA LANATA	1	6	0	1	2.00

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
177	ASTRAGALUS CICER	4	0	3	3	2.50
178	LINUM LEWISII	2	0	9	0	2.75
179	MELILOTUS OFFICINALIS	0	0	1	1	0.50

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
180	ASTER SPECIES	0	0	2	1	0.75
181	CHAENACTIS DOUGLASII	3	0	1	3	1.75
182	GUTIERREZIA SAROTHRAE	0	4	0	0	1.00
183	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
184	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
185	UNKNOWN FORBS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
186	ASTRAGALUS CICER	3	0	0	0	0.75
187	LINUM LEWISII	11	5	4	1	5.25
188	MELILOTUS OFFICINALIS	0	11	6	3	5.00

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
189	ASTER SPECIES	0	0	1	0	0.25
190	CRYPTANTHA SERICEA	0	1	0	0	0.25
191	GUTIERREZIA SAROTHRAE	0	2	0	2	1.00
192	IPOMOPSIS AGGREGATA	3	1	0	0	1.00

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
193	ASTRAGALUS CICER	1	0	9	0	2.5
194	LINUM LEWISII	3	13	4	2	5.5

PERCENT COVER OF PLANT SPECIES

---------- MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
195	AGOSERIS SPECIES	0	0	2	0	0.50
196	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25
197	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
198	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
199	SALSOLA KALI	0	1	0	0	0.25

---------- MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
200	AGROPYRON SPECIES	7	16	9	4	9
201	AGROPYRON TRICHOPHORUM	2	2	2	2	2
202	STIPA VIRIDULA	5	7	2	6	5

---------- MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
203	AGROPYRON SPECIES	7	12	18	11	12.00
204	AGROPYRON TRICHOPHORUM	3	1	6	7	4.25
205	ORYZOPSIS HYMENOIDES	4	0	0	0	1.00
206	STIPA VIRIDULA	6	2	6	11	6.25

---------- MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
207	BROMUS TECTORUM	4	2	0	0	1.5

---------- MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
208	AGROPYRON SPECIES	22	9	16	17	16.00
209	AGROPYRON TRICHOPHORUM	0	0	3	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
210	STIPA VIRIDULA	2	3	2	3	2.5

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
211	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
212	CHRYSOTHAMNUS VISIDIFLORUS	1	1	0	0	0.50
213	EUROTIA LANATA	0	2	2	0	1.00
214	PURSHIA TRIDENTATA	0	0	0	7	1.75

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
215	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	2	0.50
216	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
217	EUROTIA LANATA	0	3	1	3	1.75

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
218	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
219	CHRYSOTHAMNUS NAUSEOSUS	0	2	1	2	1.25
220	CHRYSOTHAMNUS VISIDIFLORUS	0	3	0	0	0.75
221	EUROTIA LANATA	1	3	3	4	2.75
222	PURSHIA TRIDENTATA	0	0	1	1	0.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
223	LINUM LEWISII	9	0	6	4	4.75
224	MELILOTUS OFFICINALIS	20	12	0	0	8.00

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
225	CRYPTANTHA SERICEA	0	1	0	0	0.25
226	GUTIERREZIA SAROTHRAE	0	0	2	1	0.75
227	IPOMOPSIS AGGREGATA	3	0	0	0	0.75
228	UNKNOWN FORBS	1	0	0	0	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
229	ASTRAGALUS CICER	5	0	0	18	5.75
230	LINUM LEWISII	0	0	2	2	1.00
231	MELILOTUS OFFICINALIS	0	2	1	3	1.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
232	ASTER SPECIES	1	0	0	0	0.25
233	CHAENACTIS DOUGLASII	1	5	1	1	2.00
234	GUTIERREZIA SAROTHRAE	2	0	0	1	0.75
235	IPOMOPSIS AGGREGATA	1	0	0	1	0.50
236	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
237	SALSOLA KALI	0	1	1	0	0.50
238	UNKNOWN FORBS	0	1	0	0	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
239	ASTRAGALUS CICER	0	16	0	0	4.00
240	HEDYSARUM UTAHENSIS	7	0	0	0	1.75
241	LINUM LEWISII	14	0	0	0	3.50
242	MELILOTUS OFFICINALIS	12	2	0	25	9.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
243	CHAENACTIS DOUGLASII	0	5	2	1	2.00
244	GUTIERREZIA SAROTHRAE	0	3	0	0	0.75
245	IPOMOPSIS AGGREGATA	7	0	0	0	1.75
246	SALSOLA KALI	3	0	1	1	1.25
247	UNKNOWN FORBS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
248	AGROPYRON SPECIES	11	7	12	17	11.75
249	AGROPYRON TRICHOPHORUM	6	4	0	0	2.50
250	STIPA VIRIDULA	4	12	7	4	6.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
251	BROMUS TECTORUM	0	8	1	1	2.5

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
252	AGROPYRON SPECIES	16	4	3	13	9.00
253	AGROPYRON TRICHOPHORUM	4	1	0	4	2.25
254	ORYZOPSIS HYMENOIDES	0	0	0	1	0.25
255	STIPA VIRIDULA	7	8	2	4	5.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
256	BROMUS TECTORUM	0	0	1	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
257	AGROPYRON SPECIES	1	8	18	0	6.75
258	AGROPYRON TRICHOPHORUM	1	0	5	0	1.50
259	ELYMUS CINEREUS	0	0	0	5	1.25
260	STIPA VIRIDULA	0	9	4	5	4.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
261	CHRYSOTHAMNUS NAUSEOSUS	0	12	0	1	3.25
262	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	1	0.25
263	EUROTIA LANATA	0	0	3	1	1.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
264	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
265	CHRYSOTHAMNUS NAUSEOSUS	0	1	1	2	1.00
266	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	0	0.25
267	EUROTIA LANATA	6	1	1	0	2.00
268	PURSHIA TRIDENTATA	0	0	0	2	0.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
269	ARTEMISIA TRIDENTATA	0	0	0	4	1.00
270	CHRYSOTHAMNUS NAUSEOSUS	0	3	5	0	2.00
271	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	1	0.50
272	EUROTIA LANATA	0	0	6	1	1.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
273	ASTRAGALUS CICER	7	0	0	0	1.75
274	LINUM LEWISII	4	0	2	0	1.50
275	MELILOTUS OFFICINALIS	6	49	4	3	15.50
276	SPHAERALCEA COCCINEA	0	0	0	5	1.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
277	ASTER SPECIES	0	1	0	0	0.25
278	SALSOLA KALI	0	1	0	0	0.25
279	UNKNOWN FORBS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
280	ASTRAGALUS CICER	0	8	5	0	3.25
281	LINUM LEWISII	0	0	0	1	0.25
282	MELILOTUS OFFICINALIS	34	18	0	3	13.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
283	CHAENACTIS DOUGLASII	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
284	ASTRAGALUS CICER	4	0	0	0	1.00
285	LINUM LEWISII	0	0	4	1	1.25
286	MELILOTUS OFFICINALIS	0	4	12	0	4.00
287	SPHAERALCEA COCCINEA	0	0	4	0	1.00

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
288	ASTER SPECIES	0	0	1	1	0.50
289	CHAENACTIS DOUGLASII	1	5	0	0	1.50
290	CRYPTANTHA SERICEA	1	0	0	0	0.25
291	GUTIERREZIA SAROTHRAE	4	0	0	0	1.00
292	SALSOLA KALI	1	1	1	1	1.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
293	AGROPYRON SPECIES	19	2	11	16	12.00
294	AGROPYRON TRICHOPHORUM	1	2	2	0	1.25
295	ORYZOPSIS HYMENOIDES	0	2	1	0	0.75
296	STIPA VIRIDULA	11	0	0	7	4.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
297	BROMUS TECTORUM	4	0	0	7	2.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
298	AGROPYRON SPECIES	8	5	13	23	12.25
299	AGROPYRON TRICHOPHORUM	1	0	9	2	3.00
300	ELYMUS CINEREUS	0	2	0	0	0.50
301	ORYZOPSIS HYMENOIDES	0	6	2	0	2.00
302	STIPA VIRIDULA	6	4	5	2	4.25

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
303	AGROPYRON SPECIES	16	23	24	22	21.25
304	AGROPYRON TRICHOPHORUM	0	3	2	3	2.00
305	ORYZOPSIS HYMENOIDES	0	0	2	0	0.50
306	STIPA VIRIDULA	9	0	0	9	4.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
307	BROMUS TECTORUM	16	0	0	0	4

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
308	ARTEMISIA TRIDENTATA	0	0	0	1	0.25
309	CHRYSOTHAMNUS NAUSEOSUS	0	0	7	0	1.75
310	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	2	0.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
311	ARTEMISIA TRIDENTATA	2	0	0	0	0.50
312	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	4	1.25
313	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
314	EUROTIA LANATA	1	0	6	2	2.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
315	CHRYSOTHAMNUS NAUSEOSUS	0	3	6	0	2.25
316	EUROTIA LANATA	0	0	0	7	1.75
317	PURSHIA TRIDENTATA	8	0	0	0	2.00

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
318	LINUM LEWISII	0	1	2	0	0.75
319	MELILOTUS OFFICINALIS	32	16	6	10	16.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
320	CHAENACTIS DOUGLASII	2	1	1	4	2.00
321	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
322	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
323	SALSOLA KALI	0	1	0	0	0.25
324	UNKNOWN FORBS	5	0	0	0	1.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
325	ASTRAGALUS CICER	21	0	16	0	9.25
326	LINUM LEWISII	7	0	4	1	3.00
327	MELILOTUS OFFICINALIS	0	14	0	18	8.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
328	CHAENACTIS DOUGLASII	6	1	0	1	2.00
329	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25
330	IPOMOPSIS AGGREGATA	0	3	0	0	0.75
331	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
332	SALSOLA KALI	0	1	1	3	1.25

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
333	ASTRAGALUS CICER	0	7	0	3	2.50
334	LINUM LEWISII	3	0	1	13	4.25
335	MELILOTUS OFFICINALIS	23	0	0	23	11.50

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
336	CHAENACTIS DOUGLASII	1	4	3	5	3.25
337	CRYPTANTHA SERICEA	0	0	0	2	0.50
338	GUTIERREZIA SAROTHRAE	0	0	10	0	2.50
339	IPOMOPSIS AGGREGATA	2	1	5	3	2.75
340	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
341	SALSOLA KALI	2	14	0	0	4.00
342	UNKNOWN FORBS	6	0	0	0	1.50
343	UNKNOWN FORBS	0	0	0	1	0.25

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
344	AGROPYRON SPECIES	3	7	6	18	8.5
345	AGROPYRON TRICHOPHORUM	3	4	0	1	2.0
346	STIPA VIRIDULA	0	4	0	6	2.5

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
347	AGROPYRON CRISTATUM	0	0	3	0	0.75
348	BROMUS TECTORUM	14	17	44	3	19.50

PERCENT COVER OF PLANT SPECIES

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
349	AGROPYRON SPECIES	16	7	14	0	9.25
350	AGROPYRON TRICHOPHORUM	2	2	0	2	1.50
351	ELYMUS CINEREUS	0	0	2	0	0.50
352	STIPA VIRIDULA	7	8	6	8	7.25

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
353	BROMUS TECTORUM	0	0	0	6	1.5

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
354	AGROPYRON SPECIES	1	10	6	0	4.25
355	AGROPYRON TRICHOPHORUM	0	3	3	2	2.00
356	ORYZOPSIS HYMENOIDES	1	0	0	0	0.25
357	STIPA VIRIDULA	0	0	6	3	2.25

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
358	BROMUS TECTORUM	23	0	3	0	6.5

---------- MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
359	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
360	EUROTIA LANATA	1	0	0	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
361	CHRYSOTHAMNUS NAUSEOSUS	5	0	3	0	1.50
362	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25
363	EUROTIA LANATA	1	4	0	0	1.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
364	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	3	0.75
365	CHRYSOTHAMNUS VISIDIFLORUS	1	0	8	0	2.25
366	EUROTIA LANATA	1	0	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
367	ASTRAGALUS CICER	0	0	4	4	2.00
368	HEDYSARUM UTAHENSIS	0	0	0	2	0.50
369	LINUM LEWISII	0	0	3	4	1.75
370	MELILOTUS OFFICINALIS	0	0	1	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
371	ASTER SPECIES	0	0	0	1	0.25
372	CHAENACTIS DOUGLASII	1	1	11	0	3.25
373	CRYPTANTHA SERICEA	0	0	2	0	0.50
374	GUTIERREZIA SAROTHRAE	0	5	0	0	1.25
375	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
376	SALSOLA KALI	8	0	0	0	2.00
377	SENECIO MULTILOBATUS	0	0	1	0	0.25
378	UNKNOWN FORBS	1	0	0	1	0.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
379	ASTRAGALUS CICER	0	0	6	0	1.50
380	LINUM LEWISII	0	2	0	2	1.00
381	MELILOTUS OFFICINALIS	2	1	0	0	0.75

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
382	ASTER SPECIES	0	1	0	2	0.75
383	CHAENACTIS DOUGLASII	0	0	0	4	1.00
384	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
385	SALSOLA KALI	43	4	0	4	12.75

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
386	ASTRAGALUS CICER	2	0	9	0	2.75
387	HEDYSARUM UTAHENSIS	0	0	4	0	1.00
388	LINUM LEWISII	2	4	0	6	3.00
389	MELILOTUS OFFICINALIS	0	0	0	4	1.00

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
390	ASTER SPECIES	1	1	0	0	0.50
391	ASTER SPECIES	0	0	1	0	0.25
392	CHAENACTIS DOUGLASII	0	0	0	4	1.00
393	CRYPTANTHA SERICEA	0	0	1	0	0.25
394	GUTIERREZIA SAROTHRAE	1	4	0	0	1.25
395	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
396	SALSOLA KALI	0	0	1	11	3.00
397	UNKNOWN FORBS	1	0	0	1	0.50

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
398	AGROPYRON SPECIES	12	16	8	12	12.00
399	AGROPYRON TRICHOPHORUM	2	4	0	6	3.00
400	ORYZOPSIS HYMENOIDES	1	0	0	0	0.25
401	STIPA VIRIDULA	2	6	6	5	4.75

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
402	BROMUS TECTORUM	2	0	0	0	0.5

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
403	AGROPYRON SPECIES	3	8	18	7	9.0
404	AGROPYRON TRICHOPHORUM	0	0	3	1	1.0
405	ORYZOPSIS HYMENOIDES	0	4	0	0	1.0
406	STIPA VIRIDULA	9	3	4	6	5.5

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
407	AGROPYRON SPECIES	14	11	17	1	10.75
408	AGROPYRON TRICHOPHORUM	3	0	1	0	1.00
409	STIPA VIRIDULA	6	3	3	0	3.00

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
410	ARTEMISIA TRIDENTATA	0	0	5	0	1.25
411	CHRYSOTHAMNUS NAUSEOSUS	0	0	4	0	1.00
412	EUROTIA LANATA	2	0	0	0	0.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
413	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
414	CHRYSOTHAMNUS VISIDIFLORUS	0	0	3	0	0.75
415	EUROTIA LANATA	12	1	3	0	4.00

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
416	UNKNOWN SHRUBS	0	2	0	0	0.5

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
417	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	3	0.75
418	EUROTIA LANATA	1	0	1	4	1.50
419	PURSHIA TRIDENTATA	1	0	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
420	ASTRAGALUS CICER	2	0	0	0	0.50
421	LINUM LEWISII	5	14	2	2	5.75
422	MELILOTUS OFFICINALIS	0	6	0	0	1.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
423	ASTER SPECIES	0	2	0	0	0.50
424	CHAENACTIS DOUGLASII	1	2	1	0	1.00
425	CRYPTANTHA SERICEA	0	0	0	2	0.50
426	GUTIERREZIA SAROTHRAE	1	0	5	12	4.50
427	IPOMOPSIS AGGREGATA	1	0	1	5	1.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
428	SALSOLA KALI	2	2	1	1	1.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
429	ASTRAGALUS CICER	0	24	23	0	11.75
430	LINUM LEWISII	4	0	11	8	5.75
431	MELILOTUS OFFICINALIS	26	6	2	21	13.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
432	CHAENACTIS DOUGLASII	7	5	0	0	3.00
433	GUTIERREZIA SAROTHRAE	0	9	0	0	2.25
434	IPOMOPSIS AGGREGATA	0	0	2	0	0.50
435	PHYSARIA FLORIBUNDA	0	0	0	1	0.25
436	SALSOLA KALI	0	0	1	1	0.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
437	ASTRAGALUS CICER	0	1	3	5	2.25
438	LINUM LEWISII	9	4	3	4	5.00

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
439	AGOSERIS SPECIES	4	0	0	0	1.00
440	ASTER SPECIES	1	0	0	0	0.25
441	CHAENACTIS DOUGLASII	0	0	0	1	0.25
442	GUTIERREZIA SAROTHRAE	0	0	3	0	0.75
443	IPOMOPSIS AGGREGATA	1	0	0	1	0.50
444	SALSOLA KALI	0	0	0	2	0.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
445	AGROPYRON SPECIES	9	1	4	0	3.5
446	AGROPYRON TRICHOPHORUM	2	0	0	0	0.5
447	ORYZOPSIS HYMENOIDES	1	0	4	11	4.0

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
448	BROMUS TECTORUM	1	0	1	0	0.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
449	AGROPYRON SPECIES	6	11	12	5	8.50
450	AGROPYRON TRICHOPHORUM	8	1	0	0	2.25
451	ORYZOPSIS HYMENOIDES	11	0	0	6	4.25
452	STIPA VIRIDULA	2	6	3	0	2.75

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
453	AGROPYRON SPECIES	12	20	13	8	13.25
454	AGROPYRON TRICHOPHORUM	4	3	4	0	2.75
455	STIPA VIRIDULA	0	1	0	7	2.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
456	ATRIPLEX CANESCENS	0	0	0	9	2.25
457	EUROTIA LANATA	0	1	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
458	ATRIPLEX CANA	0	0	0	4	1.00
459	ARTEMISIA TRIDENTATA	0	3	0	0	0.75
460	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	1	0.50
461	EUROTIA LANATA	0	0	0	4	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
462	CHRYSOTHAMNUS NAUSEOSUS	0	0	7	0	1.75
463	EUROTIA LANATA	0	0	2	0	0.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
464	ASTRAGALUS CICER	0	1	0	3	1.00
465	LINUM LEWISII	0	1	4	5	2.50
466	MELILOTUS OFFICINALIS	0	0	0	7	1.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
467	ASTER SPECIES	0	0	6	0	1.50
468	CHAENACTIS DOUGLASII	5	0	0	2	1.75
469	CRYPTANTHA SERICEA	0	0	0	1	0.25
470	GUTIERREZIA SAROTHRAE	0	0	0	11	2.75
471	SALSOLA KALI	1	0	1	2	1.00
472	UNKNOWN FORBS	3	0	3	0	1.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
473	ASTRAGALUS CICER	0	0	0	17	4.25
474	HEDYSARUM UTAHENSIS	0	0	7	0	1.75
475	LINUM LEWISII	3	2	4	3	3.00
476	MELILOTUS OFFICINALIS	17	0	0	8	6.25
477	SPHAERALCEA COCCINEA	2	0	0	0	0.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
478	CHAENACTIS DOUGLASII	0	14	0	0	3.50
479	IPOMOPSIS AGGREGATA	0	3	0	0	0.75
480	PHLOX HOODII	0	1	0	0	0.25
481	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
482	SALSOLA KALI	5	1	0	0	1.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
483	LINUM LEWISII	3	0	7	1	2.75
484	MELILOTUS OFFICINALIS	3	6	0	0	2.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
485	ASTER SPECIES	0	0	0	3	0.75
486	CHAENACTIS DOUGLASII	3	3	1	2	2.25
487	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
488	SALSOLA KALI	50	27	5	4	21.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
489	AGROPYRON SPECIES	0	17	0	9	6.5
490	AGROPYRON TRICHOPHORUM	0	2	3	1	1.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
491	BROMUS TECTORUM	12	2	1	4	4.75
492	UNKNOWN GRASSES	0	0	2	0	0.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
493	AGROPYRON SPECIES	7	5	16	13	10.25
494	AGROPYRON TRICHOPHORUM	2	1	9	0	3.00
495	ELYMUS CINEREUS	0	7	0	0	1.75
496	STIPA VIRIDULA	3	19	4	2	7.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
497	AGROPYRON CRISTATUM	0	0	2	2	1
498	BROMUS TECTORUM	28	0	0	0	7

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
499	AGROPYRON SPECIES	0	0	9	12	5.25
500	AGROPYRON TRICHOPHORUM	0	0	2	2	1.00
501	ORYZOPSIS HYMENOIDES	0	2	0	0	0.50
502	STIPA VIRIDULA	1	4	0	3	2.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
503	BROMUS TECTORUM	0	0	3	0	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
504	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
505	EUROTIA LANATA	0	0	4	0	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
506	ATRIPLEX CANESCENS	0	0	0	2	0.5
507	EUROTIA LANATA	2	0	0	6	2.0

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
508	LINUM LEWISII	3	6	4	2	3.75
509	MELILOTUS OFFICINALIS	0	4	3	0	1.75

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
510	ASTER SPECIES	1	0	0	0	0.25
511	CHAENACTIS DOUGLASII	0	0	0	2	0.50
512	CRYPTANTHA SERICEA	0	0	0	1	0.25
513	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
514	SALSOLA KALI	1	1	0	1	0.75
515	UNKNOWN FORBS	0	5	0	4	2.25
516	UNKNOWN FORBS	0	1	0	0	0.25

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
517	LINUM LEWISII	6	1	4	3	3.50
518	MELILOTUS OFFICINALIS	1	0	9	3	3.25

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
519	CHAENACTIS DOUGLASII	0	1	4	0	1.25
520	CRYPTANTHA SERICEA	0	1	0	0	0.25
521	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25
522	SALSOLA KALI	2	0	0	2	1.00

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
523	ASTRAGALUS CICER	0	0	0	2	0.50
524	MELILOTUS OFFICINALIS	0	4	1	0	1.25

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
525	AGOSERIS SPECIES	13	0	0	0	3.25
526	CHAENACTIS DOUGLASII	1	7	8	1	4.25
527	CRYPTANTHA SERICEA	0	1	0	0	0.25
528	SALSOLA KALI	2	13	28	2	11.25
529	UNKNOWN FORBS	0	4	0	0	1.00

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
530	AGROPYRON SPECIES	14	9	0	4	6.75
531	AGROPYRON TRICHOPHORUM	2	3	18	8	7.75
532	STIPA VIRIDULA	2	6	4	5	4.25

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
533	BROMUS TECTORUM	2	0	1	0	0.75

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
534	AGROPYRON SPECIES	16	7	5	0	7.00
535	AGROPYRON TRICHOPHORUM	3	3	1	2	2.25
536	ORYZOPSIS HYMENOIDES	6	0	0	7	3.25
537	STIPA VIRIDULA	7	8	3	4	5.50

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
538	AGROPYRON CRISTATUM	5	0	0	0	1.25
539	BROMUS TECTORUM	2	23	8	3	9.00

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
540	AGROPYRON SPECIES	11	0	1	23	8.75
541	AGROPYRON TRICHOPHORUM	2	0	1	1	1.00
542	ORYZOPSIS HYMENOIDES	0	0	3	0	0.75
543	STIPA VIRIDULA	2	0	1	4	1.75
544	STIPA VIRIDULA	2	0	0	2	1.00

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
545	BROMUS TECTORUM	16	0	29	0	11.25

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
546	ARTEMISIA TRIDENTATA	0	3	2	0	1.25
547	CHRYSOTHAMNUS NAUSEOSUS	0	3	0	0	0.75

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
548	EUROTIA LANATA	3	0	0	0	0.75

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
549	ARTEMISIA TRIDENTATA	0	0	0	2	0.5
550	CHRYSOTHAMNUS NAUSEOSUS	0	2	0	0	0.5

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
551	LINUM LEWISII	0	2	0	3	1.25
552	MELILOTUS OFFICINALIS	0	0	3	0	0.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
553	CHAENACTIS DOUGLASII	1	0	0	0	0.25
554	CRYPTANTHA SERICEA	0	1	0	0	0.25
555	IPOMOPSIS AGGREGATA	1	1	0	0	0.50
556	UNKNOWN FORBS	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
557	LINUM LEWISII	2	1	1	0	1

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
558	GUTIERREZIA SAROTHRAE	0	1	0	0	0.25
559	SALSOLA KALI	1	0	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
560	ASTRAGALUS CICER	0	0	3	0	0.75
561	LINUM LEWISII	0	3	0	2	1.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
562	CHAENACTIS DOUGLASII	0	0	0	1	0.25
563	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25
564	SALSOLA KALI	4	0	0	1	1.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
565	AGROPYRON SPECIES	18	26	17	17	19.50
566	AGROPYRON TRICHOPHORUM	1	2	0	0	0.75
567	STIPA VIRIDULA	2	2	4	11	4.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
568	AGROPYRON CRISTATUM	4	0	0	1	1.25
569	BROMUS TECTORUM	0	1	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
570	AGROPYRON SPECIES	13	18	11	14	14.00
571	AGROPYRON TRICHOPHORUM	5	8	7	5	6.25
572	STIPA VIRIDULA	3	6	6	4	4.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
573	AGROPYRON CRISTATUM	0	0	5	0	1.25

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
574	AGROPYRON SPECIES	16	14	22	24	19.0
575	AGROPYRON TRICHOPHORUM	3	6	2	3	3.5
576	ORYZOPSIS HYMENOIDES	0	2	0	0	0.5
577	STIPA VIRIDULA	0	5	8	3	4.0

---------- MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
578	AGROPYRON CRISTATUM	0	0	2	0	0.5

---------- MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
579	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	2	0.75
580	EUROTIA LANATA	0	0	4	1	1.25

---------- MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
581	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
582	EUROTIA LANATA	0	0	1	0	0.25
583	PURSHIA TRIDENTATA	0	0	0	1	0.25

---------- MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
584	EUROTIA LANATA	2	0	1	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
585	ASTRAGALUS CICER	10	0	0	0	2.50
586	LINUM LEWISII	4	1	19	8	8.00
587	MELILOTUS OFFICINALIS	3	8	0	2	3.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
588	ASTER SPECIES	1	1	0	0	0.50
589	IPOMOPSIS AGGREGATA	0	3	0	2	1.25
590	SALSOLA KALI	2	1	1	1	1.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
591	ASTRAGALUS CICER	0	0	0	1	0.25
592	LINUM LEWISII	13	0	1	1	3.75
593	MELILOTUS OFFICINALIS	0	3	8	1	3.00
594	SPHAERALCEA COCCINEA	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
595	ASTER SPECIES	0	4	0	0	1.00
596	CHAENACTIS DOUGLASII	0	6	13	0	4.75
597	CRYPTANTHA SERICEA	0	0	11	0	2.75
598	GUTIERREZIA SAROTHRAE	0	9	0	0	2.25
599	IPOMOPSIS AGGREGATA	2	0	0	0	0.50
600	SALSOLA KALI	2	3	4	3	3.00
601	UNKNOWN FORBS	14	0	0	0	3.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
602	ASTRAGALUS CICER	0	0	0	3	0.75
603	HEDYSARUM UTAHENSIS	0	4	0	0	1.00
604	LINUM LEWISII	8	8	1	10	6.75
605	MELILOTUS OFFICINALIS	4	7	0	0	2.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
606	CHAENACTIS DOUGLASII	1	1	4	0	1.50
607	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
608	SALSOLA KALI	5	14	0	1	5.00
609	UNKNOWN FORBS	0	0	1	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
610	AGROPYRON SPECIES	8	6	7	12	8.25
611	AGROPYRON TRICHOPHORUM	1	0	0	1	0.50
612	STIPA VIRIDULA	6	3	1	4	3.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
613	BROMUS TECTORUM	37	21	0	0	14.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
614	AGROPYRON SPECIES	17	24	2	18	15.25
615	AGROPYRON TRICHOPHORUM	0	0	1	2	0.75
616	ORYZOPSIS HYMENOIDES	0	1	0	2	0.75

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
617	STIPA VIRIDULA	0	13	0	24	9.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
618	AGROPYRON SPECIES	8	0	2	21	7.75
619	AGROPYRON TRICHOPHORUM	1	0	2	2	1.25
620	ELYMUS CINEREUS	0	3	0	0	0.75
621	STIPA VIRIDULA	2	1	3	2	2.00

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
622	BROMUS TECTORUM	0	0	0	2	0.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
623	CHRYSOTHAMNUS VISIDIFLORUS	0	21	0	0	5.25
624	PURSHIA TRIDENTATA	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
625	ARTEMISIA TRIDENTATA	4	0	0	0	1.00
626	EUROTIA LANATA	0	1	0	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
627	CHRYSOTHAMNUS NAUSEOSUS	0	0	11	0	2.75
628	EUROTIA LANATA	0	0	1	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
629	LINUM LEWISII	1	0	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
630	ASTER SPECIES	0	0	0	1	0.25
631	CHAENACTIS DOUGLASII	2	0	1	3	1.50
632	GUTIERREZIA SAROTHRAE	0	0	12	0	3.00
633	IPOMOPSIS AGGREGATA	0	0	3	0	0.75
634	SALSOLA KALI	1	0	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
635	ASTRAGALUS CICER	2	17	3	5	6.75
636	LINUM LEWISII	10	1	5	2	4.50
637	MELILOTUS OFFICINALIS	2	12	7	12	8.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
638	CRYPTANTHA SERICEA	0	0	2	0	0.50
639	SALSOLA KALI	1	0	0	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
640	LINUM LEWISII	4	0	1	6	2.75
641	MELILOTUS OFFICINALIS	2	0	0	0	0.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
642	CHAENACTIS DOUGLASII	1	0	0	0	0.25
643	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25
644	SALSOLA KALI	0	1	6	0	1.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
645	AGROPYRON SPECIES	9	19	11	16	13.75
646	AGROPYRON TRICHOPHORUM	0	1	1	1	0.75
647	ELYMUS CINEREUS	1	0	0	0	0.25
648	ORYZOPSIS HYMENOIDES	4	0	3	0	1.75
649	STIPA VIRIDULA	0	3	3	5	2.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
650	BROMUS TECTORUM	11	5	16	2	8.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
651	AGROPYRON SPECIES	16	11	7	12	11.50
652	AGROPYRON TRICHOPHORUM	1	3	5	2	2.75
653	STIPA VIRIDULA	3	4	11	5	5.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
654	AGROPYRON CRISTATUM	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
655	AGROPYRON SPECIES	10	29	7	14	15.00
656	AGROPYRON TRICHOPHORUM	3	3	1	8	3.75
657	ORYZOPSIS HYMENOIDES	6	0	0	6	3.00
658	STIPA VIRIDULA	3	4	2	4	3.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
659	EUROTIA LANATA	0	4	0	0	1

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
660	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
661	EUROTIA LANATA	0	0	0	2	0.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
662	CHRYSOTHAMNUS NAUSEOSUS	2	0	2	0	1.00
663	CHRYSOTHAMNUS VISIDIFLORUS	0	0	3	2	1.25
664	EUROTIA LANATA	3	0	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
665	ASTRAGALUS CICER	0	0	0	7	1.75
666	LINUM LEWISII	1	4	8	0	3.25
667	MELILOTUS OFFICINALIS	1	3	3	0	1.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
668	ASTER SPECIES	1	0	1	0	0.50
669	CHAENACTIS DOUGLASII	1	2	0	0	0.75
670	GUTIERREZIA SAROTHRAE	1	0	0	0	0.25
671	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
672	PHYSARIA FLORIBUNDA	0	0	0	2	0.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
673	ASTRAGALUS CICER	2	0	0	0	0.50
674	LINUM LEWISII	3	0	0	1	1.00
675	MELILOTUS OFFICINALIS	5	0	2	14	5.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
676	ASTER SPECIES	0	0	1	6	1.75
677	CHAENACTIS DOUGLASII	12	0	0	0	3.00
678	CRYPTANTHA SERICEA	0	0	2	0	0.50
679	GUTIERREZIA SAROTHRAE	0	0	12	0	3.00
680	SALSOLA KALI	2	10	25	1	9.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
681	ASTRAGALUS CICER	0	2	0	0	0.5
682	LINUM LEWISII	0	7	1	12	5.0
683	MELILOTUS OFFICINALIS	0	2	0	0	0.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
684	CHAENACTIS DOUGLASII	1	4	0	0	1.25
685	GUTIERREZIA SAROTHRAE	0	0	1	0	0.25
686	SALSOLA KALI	0	0	0	1	0.25
687	UNKNOWN FORBS	0	2	13	0	3.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
688	AGROPYRON SPECIES	22	11	7	14	13.5
689	AGROPYRON TRICHOPHORUM	0	3	4	3	2.5
690	STIPA VIRIDULA	4	3	2	1	2.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
691	AGROPYRON CRISTATUM	0	0	0	2	0.5
692	BROMUS TECTORUM	0	0	2	0	0.5

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
693	AGROPYRON SPECIES	10	55	5	2	18.00
694	AGROPYRON TRICHOPHORUM	2	2	0	1	1.25
695	ORYZOPSIS HYMENOIDES	1	0	0	1	0.50

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
696	STIPA VIRIDULA	6	4	26	0	9

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
697	AGROPYRON CRISTATUM	0	3	0	0	0.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
698	AGROPYRON SPECIES	11	9	13	11	11.00
699	AGROPYRON TRICHOPHORUM	3	2	1	3	2.25
700	ORYZOPSIS HYMENOIDES	0	0	7	4	2.75
701	STIPA VIRIDULA	6	3	0	5	3.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
702	ARTEMISIA TRIDENTATA	0	0	0	1	0.25
703	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
704	EUROTIA LANATA	3	0	0	0	0.75
705	PURSHIA TRIDENTATA	0	0	0	1	0.25

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
706	ARTEMISIA TRIDENTATA	0	0	0	7	1.75
707	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	0	0.25
708	EUROTIA LANATA	6	3	0	0	2.25

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
709	CHRYSOTHAMNUS NAUSEOSUS	0	4	0	0	1.0
710	EUROTIA LANATA	0	0	2	0	0.5

Coverage data (%) for species occurring within treatment combinations on plot R-2.

RIO BLANCO OIL SHALE COMPANY
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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
1	LINUM LEWISII	1	19	2	2	6.00
2	MELILOTUS OFFICINALIS	0	32	1	2	8.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
3	CHAENACTIS DOUGLASII	0	0	1	7	2.00
4	CRYPTANTHA SERICEA	1	0	0	0	0.25
5	PHLOX HOODII	0	0	1	7	2.00
6	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
7	SALSOLA KALI	1	0	1	1	0.75
8	SENECIO MULTILOBATUS	0	1	0	0	0.25

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
9	ASTRAGALUS CICER	0	8	0	0	2.0
10	LINUM LEWISII	5	11	0	0	4.0
11	MELILOTUS OFFICINALIS	3	3	0	0	1.5

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
12	ASTER SPECIES	4	0	0	0	1.00
13	CHAENACTIS DOUGLASII	2	1	0	0	0.75
14	CRYPTANTHA SERICEA	1	1	0	3	1.25
15	GUTIERREZIA SAROTHRAE	0	0	0	1	0.25
16	SALSOLA KALI	1	1	5	1	2.00

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
17	ASTRAGALUS CICER	7	1	26	0	8.50
18	LINUM LEWISII	8	6	0	1	3.75
19	MELILOTUS OFFICINALIS	1	3	0	0	1.00

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
20	ASTER SPECIES	1	3	0	2	1.50
21	CHAENACTIS DOUGLASII	6	2	5	2	3.75
22	CRYPTANTHA SERICEA	0	3	0	6	2.25
23	GUTIERREZIA SAROTHRAE	0	0	2	0	0.50
24	PHYSARIA FLORIBUNDA	1	0	0	0	0.25

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
25	AGROPYRON SPECIES	12	6	0	3	5.25
26	ELYMUS CINEREUS	0	0	5	0	1.25
27	ORYZOPSIS HYMENOIDES	5	0	5	0	2.50
28	STIPA VIRIDULA	2	0	0	1	0.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
29	AGROPYRON SPECIES	0	12	6	5	5.75
30	AGROPYRON TRICHOPHORUM	0	8	0	0	2.00
31	ELYMUS CINEREUS	0	2	0	0	0.50
32	ORYZOPSIS HYMENOIDES	12	0	18	7	9.25

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
33	AGROPYRON SPECIES	3	5	6	1	3.75
34	AGROPYRON TRICHOPHORUM	4	2	7	2	3.75
35	ORYZOPSIS HYMENOIDES	7	4	15	3	7.25
36	STIPA VIRIDULA	0	2	1	0	0.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
37	AGROPYRON CRISTATUM	3	0	0	0	0.75

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
38	CHRYSOTHAMNUS NAUSEOSUS	2	1	0	0	0.75
39	CHRYSOTHAMNUS VISIDIFLORUS	0	1	0	2	0.75
40	PURSHIA TRIDENTATA	0	0	0	5	1.25

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
41	CHRYSOTHAMNUS VISIDIFLORUS	0	5	0	14	4.75
42	EUROTIA LANATA	0	1	0	1	0.50

MULCH=NO MULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
43	CHRYSOTHAMNUS NAUSEOSUS	0	27	0	23	12.50
44	EUROTIA LANATA	0	3	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
45	ASTRAGALUS CICER	6	0	0	0	1.5
46	LINUM LEWISII	3	1	2	2	2.0
47	MELILOTUS OFFICINALIS	0	4	2	4	2.5

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
48	CHAENACTIS DOUGLASII	0	1	0	1	0.50
49	CRYPTANTHA SERICEA	2	7	3	2	3.50
50	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
51	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
52	SALSOLA KALI	0	1	1	1	0.75
53	UNKNOWN FORBS	0	0	0	1	0.25
54	UNKNOWN FORBS	0	0	1	1	0.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
55	ASTRAGALUS CICER	0	0	7	0	1.75
56	LINUM LEWISII	5	3	2	1	2.75
57	MELILOTUS OFFICINALIS	1	3	2	1	1.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
58	ASTER SPECIES	0	4	1	0	1.25
59	CRYPTANTHA SERICEA	3	1	1	4	2.25
60	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
61	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
62	SALSOLA KALI	12	11	0	0	5.75
63	UNKNOWN FORBS	0	3	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
64	LINUM LEWISII	2	1	0	0	0.75
65	MELILOTUS OFFICINALIS	1	3	0	0	1.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
66	CHAENACTIS DOUGLASII	2	0	2	0	1.00
67	CRYPTANTHA SERICEA	7	7	12	3	7.25
68	GUTIERREZIA SAROTHRAE	0	0	4	0	1.00
69	IPOMOPSIS AGGREGATA	1	0	0	0	0.25
70	SALSOLA KALI	2	1	1	1	1.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
71	AGROPYRON SPECIES	3	0	0	4	1.75
72	AGROPYRON TRICHOPHORUM	3	0	2	3	2.00
73	ORYZOPSIS HYMENOIDES	11	2	0	11	6.00
74	STIPA VIRIDULA	0	0	4	0	1.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
75	AGROPYRON CRISTATUM	0	0	3	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
76	AGROPYRON SPECIES	9	2	9	13	8.25
77	AGROPYRON TRICHOPHORUM	2	0	1	2	1.25
78	ORYZOPSIS HYMENOIDES	3	4	1	7	3.75

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
79	STIPA VIRIDULA	0	0.	2	0	0.5

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
80	AGROPYRON SPECIES	0	2	4	12	4.50
81	ELYMUS CINEREUS	0	1	0	0	0.25
82	ORYZOPSIS HYMENOIDES	2	11	21	6	10.00
83	STIPA VIRIDULA	1	0	0	5	1.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
84	AGROPYRON CRISTATUM	0	4	0	0	1

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
85	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
86	CHRYSOTHAMNUS VISIDIFLORUS	0	2	2	1	1.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
87	CHRYSOTHAMNUS NAUSEOSUS	4	0	12	2	4.50
88	CHRYSOTHAMNUS VISIDIFLORUS	2	14	2	1	4.75
89	EUROTIA LANATA	2	0	2	0	1.00
90	PURSHIA TRIDENTATA	0	0	7	0	1.75

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
91	CHRYSOTHAMNUS NAUSEOSUS	3	0	0	0	0.75
92	CHRYSOTHAMNUS VISIDIFLORUS	21	0	2	1	6.00
93	PURSHIA TRIDENTATA	0	13	0	0	3.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
94	ASTRAGALUS CICER	0	6	16	0	5.50
95	LINUM LEWISII	2	2	2	0	1.50
96	MELILOTUS OFFICINALIS	0	1	1	1	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
97	CHAENACTIS DOUGLASII	1	0	1	0	0.50
98	CRYPTANTHA SERICEA	5	1	2	3	2.75
99	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
100	SALSOLA KALI	1	1	1	1	1.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
101	ASTRAGALUS CICER	0	11	0	0	2.75
102	LINUM LEWISII	11	13	0	13	9.25
103	MELILOTUS OFFICINALIS	0	1	4	0	1.25

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
104	ASTER SPECIES	0	0	5	0	1.25
105	CHAENACTIS DOUGLASII	0	0	2	1	0.75
106	CRYPTANTHA SERICEA	0	0	0	2	0.50
107	SALSOLA KALI	1	5	13	3	5.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
108	ASTRAGALUS CICER	0	0	19	0	4.75
109	LINUM LEWISII	0	0	1	0	0.25
110	MELILOTUS OFFICINALIS	1	0	4	3	2.00

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
111	CHAENACTIS DOUGLASII	1	0	0	0	0.25
112	CRUCIFER SPECIES	4	0	0	0	1.00
113	CRYPTANTHA SERICEA	11	10	13	5	9.75
114	SALSOLA KALI	4	0	1	1	1.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
115	AGROPYRON SPECIES	2	0	3	0	1.25
116	AGROPYRON TRICHOPHORUM	0	2	0	0	0.50
117	ORYZOPSIS HYMENOIDES	5	15	9	10	9.75

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
118	AGROPYRON SPECIES	7	10	5	11	8.25
119	AGROPYRON TRICHOPHORUM	0	0	0	6	1.50
120	ORYZOPSIS HYMENOIDES	2	4	0	5	2.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
121	AGROPYRON CRISTATUM	3	0	0	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
122	AGROPYRON SPECIES	0	5	5	3	3.25
123	AGROPYRON TRICHOPHORUM	0	1	0	0	0.25
124	ORYZOPSIS HYMENOIDES	2	7	6	19	8.50
125	STIPA VIRIDULA	0	0	6	0	1.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
126	AGROPYRON CRISTATUM	0	0	0	4	1

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
127	CHRYSOTHAMNUS NAUSEOSUS	9	0	6	1	4.00
128	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
129	EUROTIA LANATA	1	1	0	0	0.50
130	PURSHIA TRIDENTATA	0	2	0	0	0.50

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PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
131	CHRYSOTHAMNUS NAUSEOSUS	27	0	0	3	7.50
132	PURSHIA TRIDENTATA	3	0	0	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
133	ARTEMISIA TRIDENTATA	0	0	0	1	0.25
134	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
135	CHRYSOTHAMNUS VISIDIFLORUS	5	26	1	1	8.25
136	PURSHIA TRIDENTATA	0	2	0	0	0.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
137	LINUM LEWISII	0	0	0	1	0.25
138	MELILOTUS OFFICINALIS	0	0	0	1	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
139	CRYPTANTHA SERICEA	3	4	7	2	4
140	SALSOLA KALI	9	1	2	0	3

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
141	ASTRAGALUS CICER	17	0	0	0	4.25
142	LINUM LEWISII	9	2	5	1	4.25
143	MELILOTUS OFFICINALIS	0	1	4	4	2.25

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
144	ASTER SPECIES	0	2	0	0	0.50
145	CHAENACTIS DOUGLASII	0	2	0	0	0.50
146	CRYPTANTHA SERICEA	1	1	1	5	2.00
147	SALSOLA KALI	0	14	1	19	8.50
148	SENECIO MULTILOBATUS	0	0	0	1	0.25
149	UNKNOWN FORBS	0	1	0	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
150	LINUM LEWISII	1	0	2	3	1.50
151	MELILOTUS OFFICINALIS	0	0	1	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
152	CRYPTANTHA SERICEA	16	5	11	1	8.25
153	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
154	SALSOLA KALI	7	23	12	3	11.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
155	AGROPYRON SPECIES	8	6	2	14	7.50
156	AGROPYRON TRICHOPHORUM	1	9	0	1	2.75
157	ORYZOPSIS HYMENOIDES	2	2	3	7	3.50
158	STIPA VIRIDULA	5	0	1	1	1.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
159	AGROPYRON CRISTATUM	0	3	0	5	2

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
160	AGROPYRON SPECIES	6	0	5	6	4.25
161	AGROPYRON TRICHOPHORUM	3	0	0	5	2.00
162	ORYZOPSIS HYMENOIDES	8	15	6	9	9.50
163	STIPA VIRIDULA	2	0	0	9	2.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
164	AGROPYRON SPECIES	0	4	2	3	2.25
165	ORYZOPSIS HYMENOIDES	13	14	3	11	10.25
166	STIPA VIRIDULA	1	0	9	0	2.50

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
167	ATRIPLEX CANESCENS	42	0	0	0	10.50
168	CHRYSOTHAMNUS NAUSEOSUS	6	0	2	0	2.00
169	CHRYSOTHAMNUS VISIDIFLORUS	4	0	0	1	1.25
170	EUROTIA LANATA	0	0	1	0	0.25

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
171	CHRYSOTHAMNUS NAUSEOSUS	0	5	3	0	2.00
172	CHRYSOTHAMNUS VISIDIFLORUS	0	8	8	0	4.00
173	EUROTIA LANATA	0	0	1	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
174	UNKNOWN SHRUBS	3	0	0	0	0.75

MULCH=NO MULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
175	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	4	1.00
176	CHRYSOTHAMNUS VISIDIFLORUS	0	0	3	2	1.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
177	ASTRAGALUS CICER	3	0	0	0	0.75
178	LINUM LEWISII	3	3	0	5	2.75
179	MELILOTUS OFFICINALIS	0	0	3	0	0.75

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
180	CHAENACTIS DOUGLASII	0	0	5	3	2.00
181	CRYPTANTHA SERICEA	1	2	2	1	1.50
182	IPOMOPSIS AGGREGATA	0	1	0	0	0.25
183	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
184	SALSOLA KALI	0	1	0	0	0.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
185	ASTRAGALUS CICER	14	10	0	9	8.25
186	LINUM LEWISII	7	1	3	0	2.75
187	MELILOTUS OFFICINALIS	0	0	8	1	2.25

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
188	CHAENACTIS DOUGLASII	1	0	0	0	0.25
189	CRYPTANTHA SERICEA	0	1	4	1	1.50
190	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
191	PHYSARIA FLORIBUNDA	0	0	1	1	0.50
192	SALSOLA KALI	0	1	1	1	0.75
193	SENECIO MULTILOBATUS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
194	ASTRAGALUS CICER	12	0	0	0	3.00
195	LINUM LEWISII	6	0	0	1	1.75
196	MELILOTUS OFFICINALIS	0	1	0	5	1.50

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
197	AGOSERIS SPECIES	0	0	1	0	0.25
198	CRYPTANTHA SERICEA	1	3	5	6	3.75
199	GUTIERREZIA SAROTHRAE	0	6	0	0	1.50
200	SALSOLA KALI	0	0	1	0	0.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
201	AGROPYRON SPECIES	7	0	6	9	5.5
202	AGROPYRON TRICHOPHORUM	0	0	2	0	0.5
203	STIPA VIRIDULA	0	5	0	3	2.0

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
204	AGROPYRON CRISTATUM	0	0	5	0	1.25

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
205	AGROPYRON SPECIES	8	0	5	14	6.75
206	AGROPYRON TRICHOPHORUM	0	0	1	3	1.00
207	ORYZOPSIS HYMENOIDES	9	5	16	0	7.50
208	STIPA VIRIDULA	0	0	0	4	1.00

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
209	AGROPYRON SPECIES	7	3	0	1	2.75
210	AGROPYRON TRICHOPHORUM	4	0	0	0	1.00
211	ORYZOPSIS HYMENOIDES	4	0	7	0	2.75
212	STIPA VIRIDULA	0	2	0	4	1.50

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
213	AGROPYRON CRISTATUM	0	3	0	0	0.75

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
214	CHRYSOTHAMNUS NAUSEOSUS	26	1	1	0	7
215	CHRYSOTHAMNUS VISIDIFLORUS	21	1	0	18	10

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
216	CHRYSOTHAMNUS NAUSEOSUS	0	0	2	2	1.0
217	CHRYSOTHAMNUS VISIDIFLORUS	0	9	1	4	3.5
218	PURSHIA TRIDENTATA	2	0	0	0	0.5

MULCH=HYDROMULCH FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
219	ARTEMISIA TRIDENTATA	0	0	0	14	3.50
220	ATRIPLEX CANESCENS	3	0	0	0	0.75
221	CHRYSOTHAMNUS VISIDIFLORUS	0	25	9	1	8.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
222	ASTRAGALUS CICER	12	0	0	0	3.00
223	LINUM LEWISII	0	3	0	0	0.75
224	MELILOTUS OFFICINALIS	2	0	0	1	0.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
225	CHAENACTIS DOUGLASII	1	0	0	1	0.50
226	CRYPTANTHA SERICEA	1	0	2	3	1.50
227	GUTIERREZIA SAROTHRAE	0	2	0	0	0.50
228	SALSOLA KALI	0	0	0	1	0.25
229	SENECIO MULTILOBATUS	0	0	1	0	0.25
230	UNKNOWN FORBS	0	0	3	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
231	ASTRAGALUS CICER	6	40	0	0	11.50
232	LINUM LEWISII	1	3	2	1	1.75
233	MELILOTUS OFFICINALIS	0	2	1	0	0.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
234	ASTER SPECIES	5	0	0	0	1.25
235	CHAENACTIS DOUGLASII	1	1	2	3	1.75
236	CRYPTANTHA SERICEA	1	3	0	2	1.50
237	SALSOLA KALI	1	1	2	0	1.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
238	ASTRAGALUS CICER	2	0	0	6	2.00
239	LINUM LEWISII	1	11	2	4	4.50
240	MELILOTUS OFFICINALIS	0	3	0	0	0.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
241	ASTER SPECIES	0	1	1	0	0.50
242	CHAENACTIS DOUGLASII	5	6	1	0	3.00
243	CRYPTANTHA SERICEA	6	0	5	0	2.75
244	GUTIERREZIA SAROTHRAE	1	0	0	0	0.25
245	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
246	PHYSARIA FLORIBUNDA	0	0	1	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
247	AGROPYRON SPECIES	15	12	7	5	9.75
248	AGROPYRON TRICHOPHORUM	2	1	0	0	0.75
249	ORYZOPSIS HYMENOIDES	5	0	3	0	2.00
250	STIPA VIRIDULA	0	9	0	0	2.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
251	AGROPYRON SPECIES	0	5	0	9	3.50
252	AGROPYRON TRICHOPHORUM	0	5	0	3	2.00
253	ORYZOPSIS HYMENOIDES	12	1	4	9	6.50
254	STIPA VIRIDULA	0	0	0	5	1.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
255	AGROPYRON CRISTATUM	9	1	0	0	2.5

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
256	AGROPYRON SPECIES	3	2	0	3	2.00
257	AGROPYRON TRICHOPHORUM	0	0	0	4	1.00
258	ORYZOPSIS HYMENOIDES	4	6	19	8	9.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
259	AGROPYRON CRISTATUM	1	0	0	1	0.5

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
260	CHRYSOTHAMNUS NAUSEOSUS	2	5	0	1	2
261	CHRYSOTHAMNUS VISIDIFLORUS	0	8	1	23	8

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
262	CHRYSOTHAMNUS NAUSEOSUS	0	0	2	1	0.75
263	CHRYSOTHAMNUS VISIDIFLORUS	3	0	3	2	2.00
264	EUROTIA LANATA	1	0	1	0	0.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
265	CHRYSOTHAMNUS NAUSEOSUS	11	1	1	12	6.25
266	CHRYSOTHAMNUS VISIDIFLORUS	1	2	0	0	0.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
267	ASTRAGALUS CICER	21	7	12	0	10.00
268	LINUM LEWISII	1	7	0	3	2.75
269	MELILOTUS OFFICINALIS	2	0	6	3	2.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
270	CHAENACTIS DOUGLASII	0	1	0	1	0.50
271	CRUCIFER SPECIES	1	0	0	0	0.25
272	CRYPTANTHA SERICEA	0	0	5	2	1.75
273	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
274	UNKNOWN FORBS	0	0	3	1	1.00

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
275	UNKNOWN FORBS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
276	ASTRAGALUS CICER	8	0	0	5	3.25
277	LINUM LEWISII	5	14	1	0	5.00
278	MELILOTUS OFFICINALIS	0	0	0	1	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
279	ASTER SPECIES	0	1	3	3	1.75
280	CHAENACTIS DOUGLASII	0	0	1	1	0.50
281	CRYPTANTHA SERICEA	0	1	0	0	0.25
282	GUTIERREZIA SAROTHRAE	0	0	0	6	1.50
283	PHYSARIA FLORIBUNDA	2	0	5	2	2.25
284	SALSOLA KALI	1	1	1	7	2.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
285	ASTRAGALUS CICER	1	0	0	0	0.25
286	LINUM LEWISII	1	1	1	0	0.75
287	MELILOTUS OFFICINALIS	0	6	1	1	2.00

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
288	ASTER SPECIES	0	1	2	0	0.75
289	CHAENACTIS DOUGLASII	0	0	0	1	0.25
290	CRYPTANTHA SERICEA	1	2	3	0	1.50
291	GUTIERREZIA SAROTHRAE	2	0	0	0	0.50
292	PHYSARIA FLORIBUNDA	0	0	1	0	0.25
293	UNKNOWN FORBS	0	0	0	2	0.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
294	AGROPYRON SPECIES	5	15	4	6	7.50
295	AGROPYRON TRICHOPHORUM	1	6	0	1	2.00
296	ORYZOPSIS HYMENOIDES	4	0	1	0	1.25
297	STIPA VIRIDULA	0	3	0	3	1.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
298	AGROPYRON CRISTATUM	0	3	0	1	1.00
299	BROMUS INERME	0	0	5	0	1.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
300	AGROPYRON SPECIES	10	0	8	14	8.00
301	AGROPYRON TRICHOPHORUM	7	0	0	0	1.75
302	ORYZOPSIS HYMENOIDES	9	2	11	12	8.50
303	STIPA VIRIDULA	0	0	7	0	1.75

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PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
304	BROMUS INERME	0	0	1	0	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
305	AGROPYRON SPECIES	5	8	6	7	6.50
306	AGROPYRON TRICHOPHORUM	3	4	3	0	2.50
307	ELYMUS CINEREUS	0	0	1	1	0.50
308	ORYZOPSIS HYMENOIDES	9	11	7	14	10.25
309	STIPA VIRIDULA	5	0	0	4	2.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
310	CHRYSOTHAMNUS NAUSEOSUS	35	0	2	4	10.25
311	CHRYSOTHAMNUS VISIDIFLORUS	0	18	2	1	5.25
312	EUROTIA LANATA	0	1	0	0	0.25
313	PURSHIA TRIDENTATA	0	1	0	0	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
314	CHRYSOTHAMNUS NAUSEOSUS	14	1	1	0	4

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
315	CHRYSOTHAMNUS NAUSEOSUS	0	2	17	0	4.75
316	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	22	5.50
317	PURSHIA TRIDENTATA	2	0	0	0	0.50

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
318	ASTRAGALUS CICER	0	5	2	5	3.0
319	LINUM LEWISII	0	0	0	2	0.5
320	MELILOTUS OFFICINALIS	0	0	0	0	0.0

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
321	CHAENACTIS DOUGLASII	1	0	1	0	0.50
322	CRYPTANTHA SERICEA	8	1	1	7	4.25
323	SALSOLA KALI	1	1	1	1	1.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
324	ASTRAGALUS CICER	0	3	23	14	10
325	LINUM LEWISII	1	6	3	2	3

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
326	ASTER SPECIES	3	0	0	0	0.75
327	CHAENACTIS DOUGLASII	3	1	0	1	1.25
328	CRYPTANTHA SERICEA	3	1	0	0	1.00
329	GUTIERREZIA SAROTHRAE	0	0	0	3	0.75
330	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
331	SALSOLA KALI	1	0	0	1	0.50
332	UNKNOWN FORBS	2	0	0	0	0.50

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PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
333	LINUM LEWISII	0	1	1	0	0.5
334	MELILOTUS OFFICINALIS	2	2	0	2	1.5

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
335	ASTER SPECIES	0	1	1	0	0.50
336	CHAENACTIS DOUGLASII	0	0	1	0	0.25
337	CRYPTANTHA SERICEA	3	2	5	0	2.50
338	GUTIERREZIA SAROTHRAE	0	5	0	0	1.25
339	PHYSARIA FLORIBUNDA	0	2	0	0	0.50
340	SALSOLA KALI	1	1	1	0	0.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
341	AGROPYRON SPECIES	0	5	17	2	6.00
342	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25
343	ELYMUS CINEREUS	0	0	0	3	0.75
344	ORYZOPSIS HYMENOIDES	0	0	0	2	0.50
345	STIPA VIRIDULA	5	10	8	5	7.00

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
346	AGROPYRON CRISTATUM	0	3	4	0	1.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
347	AGROPYRON SPECIES	4	17	8	6	8.75
348	AGROPYRON TRICHOPHORUM	4	0	8	0	3.00
349	ORYZOPSIS HYMENOIDES	3	0	8	8	4.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
350	AGROPYRON CRISTATUM	0	7	0	0	1.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
351	AGROPYRON SPECIES	1	2	0	16	4.75
352	AGROPYRON TRICHOPHORUM	6	4	0	0	2.50
353	ELYMUS CINEREUS	0	0	0	1	0.25
354	ORYZOPSIS HYMENOIDES	16	5	2	17	10.00
355	STIPA VIRIDULA	0	4	0	2	1.50

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
356	AGROPYRON CRISTATUM	0	0	0	2	0.50
357	POA SPECIES	0	0	1	0	0.25

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
358	CHRYSOTHAMNUS NAUSEOSUS	0	32	0	0	8.00
359	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25
360	EUROTIA LANATA	0	3	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
361	CHRYSOTHAMNUS NAUSEOSUS	0	5	5	9	4.75

MULCH=HYDROMULCH FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
362	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
363	CHRYSOTHAMNUS VISIDIFLORUS	1	0	21	21	10.75

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
364	ASTRAGALUS CICER	3	3	1	0	1.75
365	LINUM LEWISII	5	1	3	5	3.50

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
366	CHAENACTIS DOUGLASII	2	0	2	1	1.25
367	CRYPTANTHA SERICEA	4	1	3	1	2.25
368	GUTIERREZIA SAROTHRAE	0	4	1	0	1.25
369	HAPLOPAPPUS NUTTALI	0	0	1	0	0.25
370	IPOMOPSIS AGGREGATA	0	0	1	1	0.50
371	SALSOLA KALI	1	1	2	1	1.25
372	SENECIO MULTILOBATUS	0	0	1	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
373	ASTRAGALUS CICER	10	0	0	19	7.25
374	LINUM LEWISII	1	4	4	4	3.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
375	CHAENACTIS DOUGLASII	2	0	15	0	4.25
376	CRYPTANTHA SERICEA	4	3	0	0	1.75
377	SALSOLA KALI	1	1	1	1	1.00

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
378	ASTRAGALUS CICER	14	7	0	0	5.25
379	LINUM LEWISII	1	3	3	1	2.00
380	MELILOTUS OFFICINALIS	0	2	0	0	0.50

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
381	CHAENACTIS DOUGLASII	0	0	1	0	0.25
382	CRYPTANTHA SERICEA	5	14	1	0	5.00
383	PHYSARIA FLORIBUNDA	0	1	0	0	0.25
384	SALSOLA KALI	0	0	1	1	0.50

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
385	AGROPYRON SPECIES	5	8	6	12	7.75
386	AGROPYRON TRICHOPHORUM	3	2	0	0	1.25
387	ORYZOPSIS HYMENOIDES	2	6	6	6	5.00
388	STIPA VIRIDULA	0	3	0	6	2.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
389	AGROPYRON SPECIES	16	1	11	11	9.75
390	AGROPYRON TRICHOPHORUM	5	0	0	0	1.25
391	ORYZOPSIS HYMENOIDES	4	25	7	15	12.75

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
392	AGROPYRON SPECIES	9	0	0	9	4.50
393	AGROPYRON TRICHOPHORUM	6	0	0	7	3.25
394	ORYZOPSIS HYMENOIDES	7	8	0	4	4.75
395	STIPA VIRIDULA	0	2	8	3	3.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
396	CHRYSOTHAMNUS NAUSEOSUS	12	0	1	7	5.00
397	CHRYSOTHAMNUS VISIDIFLORUS	1	0	2	2	1.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
398	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	17	4.25
399	EUROTIA LANATA	1	0	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
400	PURSHIA TRIDENTATA	0	0	0	1	0.25

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
401	ASTRAGALUS CICER	0	0	14	0	3.50
402	LINUM LEWISII	7	4	5	0	4.00
403	MELILOTUS OFFICINALIS	1	0	0	2	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
404	CHAENACTIS DOUGLASII	2	1	2	4	2.25
405	CRYPTANTHA SERICEA	2	4	0	3	2.25
406	GUTIERREZIA SAROTHRAE	0	7	0	9	4.00
407	PHYSARIA FLORIBUNDA	1	0	0	0	0.25
408	SALSOLA KALI	0	1	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
409	ASTRAGALUS CICER	18	21	16	1	14.0
410	LINUM LEWISII	5	0	3	2	2.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
411	ASTER SPECIES	0	0	0	1	0.25
412	CHAENACTIS DOUGLASII	0	0	2	0	0.50
413	CRYPTANTHA SERICEA	0	0	1	0	0.25
414	IPOMOPSIS AGGREGATA	0	0	0	1	0.25
415	SALSOLA KALI	1	0	9	0	2.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
416	ASTRAGALUS CICER	0	26	16	4	11.50
417	LINUM LEWISII	1	4	0	4	2.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
418	ASTER SPECIES	3	0	2	0	1.25
419	CHAENACTIS DOUGLASII	0	0	2	0	0.50
420	CRUCIFER SPECIES	0	0	0	3	0.75
421	CRYPTANTHA SERICEA	1	1	2	1	1.25
422	GUTIERREZIA SAROTHRAE	0	0	0	2	0.50
423	SALSOLA KALI	1	1	0	1	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
424	AGROPYRON SPECIES	3	0	6	0	2.25
425	AGROPYRON TRICHOPHORUM	1	1	3	0	1.25
426	ORYZOPSIS HYMENOIDES	9	0	6	6	5.25
427	STIPA VIRIDULA	4	0	5	0	2.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
428	AGROPYRON SPECIES	15	11	8	7	10.25
429	AGROPYRON TRICHOPHORUM	1	1	0	3	1.25
430	ORYZOPSIS HYMENOIDES	0	7	9	5	5.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
431	AGROPYRON SPECIES	0	11	6	1	4.50
432	AGROPYRON TRICHOPHORUM	0	4	2	3	2.25
433	ORYZOPSIS HYMENOIDES	15	6	2	7	7.50
434	STIPA VIRIDULA	0	0	2	3	1.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
435	ARTEMISIA TRIDENTATA	1	0	0	0	0.25
436	CHRYSOTHAMNUS VISIDIFLORUS	1	1	1	1	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
437	CHRYSOTHAMNUS NAUSEOSUS	0	0	5	9	3.50
438	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	1	0.25
439	PURSHIA TRIDENTATA	0	3	0	0	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
440	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	6	1.75
441	CHRYSOTHAMNUS VISIDIFLORUS	0	0	2	3	1.25
442	EUROTIA LANATA	0	0	1	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
443	ASTRAGALUS CICER	0	1	0	7	2.00
444	LINUM LEWISII	0	9	1	5	3.75
445	MELILOTUS OFFICINALIS	1	0	0	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
446	CHAENACTIS DOUGLASII	0	0	6	1	1.75
447	CRUCIFER SPECIES	0	0	2	0	0.50
448	CRYPTANTHA SERICEA	1	0	1	2	1.00
449	GUTIERREZIA SAROTHRAE	5	2	1	0	2.00
450	SALSOLA KALI	1	0	1	1	0.75
451	UNKNOWN FORBS	0	1	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
452	ASTRAGALUS CICER	2	12	0	9	5.75
453	LINUM LEWISII	6	10	8	0	6.00
454	MELILOTUS OFFICINALIS	0	0	4	0	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
455	ASTER SPECIES	0	0	1	1	0.50
456	CRYPTANTHA SERICEA	1	1	1	0	0.75
457	GUTIERREZIA SAROTHRAE	0	0	0	4	1.00
458	PHYSARIA FLORIBUNDA	0	0	1	32	8.25
459	SALSOLA KALI	2	1	1	0	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
460	ASTRAGALUS CICER	9	3	0	0	3.00
461	LINUM LEWISII	4	0	1	2	1.75

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
462	ASTER SPECIES	3	0	0	0	0.75
463	CHAENACTIS DOUGLASII	0	0	2	0	0.50
464	CRYPTANTHA SERICEA	0	0	18	4	5.50
465	GUTIERREZIA SAROTHRAE	0	1	0	0	0.25
466	SALSOLA KALI	1	18	0	3	5.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
467	AGROPYRON SPECIES	1	19	3	6	7.25
468	AGROPYRON TRICHOPHORUM	0	5	0	0	1.25
469	ORYZOPSIS HYMENOIDES	10	2	5	30	11.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
470	AGROPYRON CRISTATUM	0	0	0	3	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
471	AGROPYRON SPECIES	3	9	0	11	5.75
472	AGROPYRON TRICHOPHORUM	0	4	0	1	1.25
473	ORYZOPSIS HYMENOIDES	9	0	21	8	9.50

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
474	AGROPYRON SPECIES	10	16	4	0	7.50
475	AGROPYRON TRICHOPHORUM	0	3	0	0	0.75
476	ORYZOPSIS HYMENOIDES	11	4	4	7	6.50

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
477	AGROPYRON CRISTATUM	0	3	0	0	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
478	CHRYSOTHAMNUS NAUSEOSUS	15	12	1	0	7
479	CHRYSOTHAMNUS VISIDIFLORUS	0	0	3	1	1

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
480	CHRYSOTHAMNUS NAUSEOSUS	2	5	1	0	2.0
481	CHRYSOTHAMNUS VISIDIFLORUS	1	0	5	0	1.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
482	CHRYSOTHAMNUS NAUSEOSUS	8	0	0	0	2
483	CHRYSOTHAMNUS VISIDIFLORUS	11	0	1	0	3

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
484	ASTRAGALUS CICER	0	9	9	28	11.50
485	LINUM LEWISII	4	5	8	0	4.25
486	MELILOTUS OFFICINALIS	1	0	0	0	0.25

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
487	CHAENACTIS DOUGLASII	0	1	0	0	0.25
488	CRYPTANTHA SERICEA	3	1	1	6	2.75
489	SALSOLA KALI	1	0	1	1	0.75

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
490	ASTRAGALUS CICER	0	0	0	13	3.25
491	LINUM LEWISII	2	1	1	5	2.25
492	MELILOTUS OFFICINALIS	0	1	3	0	1.00

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
493	ASTER SPECIES	2	0	5	0	1.75
494	CRYPTANTHA SERICEA	6	2	3	0	2.75
495	SALSOLA KALI	1	1	1	0	0.75
496	SENECIO MULTILOBATUS	0	1	1	0	0.50

---------- MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
497	ASTRAGALUS CICER	0	2	0	0	0.50
498	LINUM LEWISII	2	0	0	1	0.75
499	MELILOTUS OFFICINALIS	3	0	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
500	CRUCIFER SPECIES	0	1	1	0	0.50
501	CRYPTANTHA SERICEA	14	1	1	1	4.25
502	GUTIERREZIA SAROTHRAE	0	0	2	0	0.50
503	SALSOLA KALI	1	1	1	5	2.00
504	SENECIO MULTILOBATUS	1	0	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
505	AGROPYRON SPECIES	2	11	1	13	6.75
506	AGROPYRON TRICHOPHORUM	1	6	1	0	2.00
507	ORYZOPSIS HYMENOIDES	1	3	10	6	5.00
508	STIPA VIRIDULA	0	3	0	0	0.75

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
509	BROMUS INERME	0	1	0	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
510	AGROPYRON SPECIES	0	4	3	11	4.50
511	AGROPYRON TRICHOPHORUM	0	14	0	4	4.50
512	ORYZOPSIS HYMENOIDES	2	2	8	5	4.25
513	STIPA VIRIDULA	0	5	0	0	1.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
514	AGROPYRON CRISTATUM	0	0	0	2	0.5

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
515	AGROPYRON SPECIES	1	11	5	9	6.50
516	AGROPYRON TRICHOPHORUM	1	9	0	0	2.50
517	ELYMUS CINEREUS	0	1	0	0	0.25
518	ORYZOPSIS HYMENOIDES	5	4	7	12	7.00
519	STIPA VIRIDULA	4	0	0	0	1.00

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
520	CHRYSOTHAMNUS NAUSEOSUS	1	0	0	0	0.25
521	CHRYSOTHAMNUS VISIDIFLORUS	0	0	1	0	0.25

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
522	GUTIERREZIA SAROTHRAE	14	0	0	0	3.5

MULCH=STRAW-CRIMPING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
523	ARTEMISIA TRIDENTATA	0	1	0	0	0.25
524	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.25
525	CHRYSOTHAMNUS VISIDIFLORUS	8	1	5	20	8.50

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
526	ASTRAGALUS CICER	0	0	17	0	4.25
527	LINUM LEWISII	20	1	0	2	5.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
528	CHAENACTIS DOUGLASII	0	1	2	1	1.00
529	CRYPTANTHA SERICEA	2	1	1	1	1.25
530	SALSOLA KALI	1	1	0	0	0.50
531	SENECIO MULTILOBATUS	1	0	0	0	0.25
532	UNKNOWN FORBS	1	0	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
533	ASTRAGALUS CICER	15	0	9	0	6.00
534	LINUM LEWISII	4	10	1	0	3.75
535	MELILOTUS OFFICINALIS	0	1	3	0	1.00

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
536	ASTER SPECIES	2	0	0	0	0.50
537	CRYPTANTHA SERICEA	0	1	2	0	0.75
538	SALSOLA KALI	12	6	1	0	4.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
539	LINUM LEWISII	0	0	3	2	1.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
540	ASTER SPECIES	0	1	0	0	0.25
541	CHAENACTIS DOUGLASII	9	5	0	0	3.50
542	CRUCIFER SPECIES	1	0	0	0	0.25
543	CRYPTANTHA SERICEA	4	13	2	3	5.50
544	SALSOLA KALI	0	0	2	1	0.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
545	AGROPYRON SPECIES	0	0	4	7	2.75
546	AGROPYRON TRICHOPHORUM	0	0	0	1	0.25
547	ORYZOPSIS HYMENOIDES	4	10	0	16	7.50
548	STIPA VIRIDULA	6	0	1	11	4.50

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
549	AGROPYRON CRISTATUM	5	0	0	0	1.25

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
550	AGROPYRON SPECIES	2	0	14	16	8.00
551	AGROPYRON TRICHOPHORUM	0	5	0	0	1.25
552	ELYMUS CINEREUS	0	0	2	0	0.50
553	ORYZOPSIS HYMENOIDES	4	0	11	16	7.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
554	AGROPYRON CRISTATUM	3	0	0	0	0.75

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
555	AGROPYRON SPECIES	7	0	6	0	3.25
556	AGROPYRON TRICHOPHORUM	1	0	0	0	0.25
557	ORYZOPSIS HYMENOIDES	2	4	1	2	2.25
558	STIPA VIRIDULA	3	0	0	5	2.00

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
559	AGROPYRON CRISTATUM	3	0	0	0	0.75

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
560	CHRYSOTHAMNUS NAUSEOSUS	0	1	0	1	0.5
561	CHRYSOTHAMNUS VISIDIFLORUS	2	0	0	0	0.5

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
562	PURSHIA TRIDENTATA	0	0	8	4	3

MULCH=STRAW-NETTING FERTILIZ=NO FERTILIZER GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
563	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
564	CHRYSOTHAMNUS VISIDIFLORUS	0	16	19	0	8.75
565	PURSHIA TRIDENTATA	0	9	0	0	2.25

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PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
566	ASTRAGALUS CICER	6	16	5	0	6.75
567	LINUM LEWISII	8	4	9	2	5.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
568	CHAENACTIS DOUGLASII	0	1	0	1	0.50
569	CRYPTANTHA SERICEA	4	1	0	0	1.25
570	PHLOX HOODII	0	0	0	1	0.25
571	SALSOLA KALI	1	1	1	1	1.00
572	SENECIO MULTILOBATUS	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
573	LINUM LEWISII	0	1	0	11	3

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
574	CHAENACTIS DOUGLASII	0	0	5	1	1.50
575	CRYPTANTHA SERICEA	6	1	0	0	1.75
576	SALSOLA KALI	2	22	1	0	6.25
577	SENECIO MULTILOBATUS	1	0	0	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
578	ASTRAGALUS CICER	21	0	14	0	8.75
579	LINUM LEWISII	7	9	5	8	7.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
580	ASTER SPECIES	0	0	0	1	0.25
581	CRUCIFER SPECIES	0	0	0	4	1.00
582	CRYPTANTHA SERICEA	0	8	0	2	2.50
583	GUTIERREZIA SAROTHRAE	0	8	0	0	2.00
584	SALSOLA KALI	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
585	AGROPYRON SPECIES	13	5	11	0	7.25
586	AGROPYRON TRICHOPHORUM	0	0	1	0	0.25
587	ORYZOPSIS HYMENOIDES	3	10	4	0	4.25
588	STIPA VIRIDULA	6	6	6	0	4.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
589	AGROPYRON SPECIES	10	4	7	11	8.00
590	AGROPYRON TRICHOPHORUM	1	5	0	7	3.25
591	ORYZOPSIS HYMENOIDES	11	4	0	5	5.00
592	STIPA VIRIDULA	0	2	11	0	3.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
593	AGROPYRON SPECIES	8	0	8	6	5.50
594	AGROPYRON TRICHOPHORUM	2	0	0	2	1.00
595	ORYZOPSIS HYMENOIDES	1	17	4	6	7.00
596	STIPA VIRIDULA	0	0	3	0	0.75

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
597	CHRYSOTHAMNUS VISIDIFLORUS	3	4	0	0	1.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
598	ATRIPLEX CANESCENS	0	2	0	0	0.5
599	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	1	0.5
600	CHRYSOTHAMNUS VISIDIFLORUS	0	1	1	0	0.5
601	EUROTIA LANATA	0	0	2	0	0.5

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
602	CHRYSOTHAMNUS NAUSEOSUS	9	1	0	0	2.5
603	CHRYSOTHAMNUS VISIDIFLORUS	4	0	0	6	2.5

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
604	ASTRAGALUS CICER	20	0	0	0	5.0
605	LINUM LEWISII	0	0	0	2	0.5

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
606	CHAENACTIS DOUGLASII	1	5	0	0	1.50
607	CRYPTANTHA SERICEA	5	0	2	3	2.50
608	SALSOLA KALI	1	1	1	1	1.00
609	UNKNOWN FORBS	0	1	0	0	0.25

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
610	ASTRAGALUS CICER	0	29	0	0	7.25
611	LINUM LEWISII	1	5	0	0	1.50
612	MELILOTUS OFFICINALIS	0	0	0	4	1.00

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
613	CHAENACTIS DOUGLASII	0	0	1	0	0.25
614	CRYPTANTHA SERICEA	0	1	0	0	0.25
615	SALSOLA KALI	1	6	2	2	2.75
616	SENECIO MULTILOBATUS	0	0	0	1	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
617	ASTRAGALUS CICER	0	6	15	0	5.25
618	LINUM LEWISII	2	4	10	8	6.00
619	MELILOTUS OFFICINALIS	0	0	1	0	0.25

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
620	ASTER SPECIES	0	0	0	1	0.25
621	CHAENACTIS DOUGLASII	0	0	1	0	0.25
622	CRYPTANTHA SERICEA	1	1	1	0	0.75
623	SALSOLA KALI	0	0	1	1	0.50

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
624	AGROPYRON SPECIES	5	5	0	4	3.50
625	AGROPYRON TRICHOPHORUM	2	1	0	0	0.75
626	ORYZOPSIS HYMENOIDES	5	0	19	5	7.25
627	STIPA VIRIDULA	4	6	12	0	5.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
628	AGROPYRON SPECIES	4	0	10	9	5.75
629	AGROPYRON TRICHOPHORUM	5	2	6	0	3.25
630	ORYZOPSIS HYMENOIDES	0	2	4	7	3.25
631	STIPA VIRIDULA	0	0	0	4	1.00

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
632	AGROPYRON CRISTATUM	2	0	2	0	1

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
633	AGROPYRON SPECIES	1	8	1	7	4.25
634	AGROPYRON TRICHOPHORUM	4	9	1	3	4.25
635	ORYZOPSIS HYMENOIDES	12	7	2	4	6.25
636	STIPA VIRIDULA	2	0	2	6	2.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
637	AGROPYRON CRISTATUM	2	0	0	0	0.5

PERCENT COVER OF PLANT SPECIES

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
638	CHRYSOTHAMNUS NAUSEOSUS	0	0	1	0	0.25
639	CHRYSOTHAMNUS VISIDIFLORUS	1	0	0	22	5.75

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
640	CHRYSOTHAMNUS NAUSEOSUS	0	0	0	1	0.25
641	CHRYSOTHAMNUS VISIDIFLORUS	16	4	1	1	5.50

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
642	ARTEMISIA TRIDENTATA	0	0	0	1	0.25
643	ATRIPLEX CANESCENS	0	0	0	2	0.50
644	CHRYSOTHAMNUS NAUSEOSUS	8	0	0	0	2.00

MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
645	ASTRAGALUS CICER	1	5	2	0	2.00
646	LINUM LEWISII	0	9	6	0	3.75
647	MELILOTUS OFFICINALIS	0	0	0	1	0.25

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
648	ASTER SPECIES	0	0	0	2	0.50
649	CHAENACTIS DOUGLASII	1	2	0	1	1.00
650	CRUCIFER SPECIES	0	0	5	0	1.25
651	CRYPTANTHA SERICEA	0	0	1	0	0.25
652	IPOMOPSIS AGGREGATA	2	0	0	0	0.50
653	IPOMOPSIS AGGREGATA	0	0	1	0	0.25
654	SALSOLA KALI	2	0	1	0	0.75
655	UNKNOWN FORBS	2	0	0	0	0.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
656	ASTRAGALUS CICER	0	0	0	2	0.50
657	LINUM LEWISII	4	3	4	4	3.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
658	CRYPTANTHA SERICEA	3	0	1	0	1.00
659	SALSOLA KALI	1	1	1	1	1.00
660	SENECIO MULTILOBATUS	0	0	1	0	0.25

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
661	ASTRAGALUS CICER	1	2	3	24	7.50
662	LINUM LEWISII	0	5	1	8	3.50
663	MELILOTUS OFFICINALIS	0	0	1	0	0.25

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=FORB BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
664	ASTER SPECIES	0	1	0	0	0.25
665	CHAENACTIS DOUGLASII	3	0	6	1	2.50
666	CRYPTANTHA SERICEA	18	9	3	3	8.25
667	GUTIERREZIA SAROTHRAE	0	0	7	0	1.75
668	SALSOLA KALI	0	1	1	0	0.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
669	AGROPYRON SPECIES	9	10	6	2	6.75
670	AGROPYRON TRICHOPHORUM	2	4	0	0	1.50
671	ELYMUS CINEREUS	0	0	0	6	1.50
672	STIPA VIRIDULA	5	0	0	5	2.50

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=1 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
673	AGROPYRON CRISTATUM	0	0	0	3	0.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
674	AGROPYRON SPECIES	3	6	14	6	7.25
675	AGROPYRON TRICHOPHORUM	4	3	2	1	2.50
676	ORYZOPSIS HYMENOIDES	10	10	9	2	7.75
677	STIPA VIRIDULA	9	9	0	0	4.50

PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=2 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
678	AGROPYRON CRISTATUM	0	1	4	8	3.25
679	BROMUS INERME	2	0	0	0	0.50
680	BROMUS TECTORUM	1	0	0	0	0.25

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
681	AGROPYRON SPECIES	9	2	4	8	5.75
682	AGROPYRON TRICHOPHORUM	1	0	0	4	1.25
683	ORYZOPSIS HYMENOIDES	0	3	0	0	0.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=GRASS BLOCK=3 SPS_TYPE=INVADED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
684	AGROPYRON CRISTATUM	0	0	0	2	0.5

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=1 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
685	CHRYSOTHAMNUS NAUSEOSUS	0	3	0	7	2.50
686	CHRYSOTHAMNUS VISIDIFLORUS	1	6	0	0	1.75

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=2 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
687	CHRYSOTHAMNUS NAUSEOSUS	0	17	3	0	5.00
688	CHRYSOTHAMNUS VISIDIFLORUS	0	0	0	5	1.25

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PERCENT COVER OF PLANT SPECIES

---------- MULCH=STRAW-NETTING FERTILIZ=FERTILIZER-SOWING/1ST GROWING GR_FRM=SHRUB BLOCK=3 SPS_TYPE=PLANTED ----------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	SUBPLOT4	MEAN_COV
689	CHRYSOTHAMNUS VISIDIFLORUS	0	2	0	4	1.50
690	PURSHIA TRIDENTATA	0	0	0	3	0.75

APPENDIX 6-2.2

Analyses for Experimental Revegetation Data from Plots R-1 and R-2

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted and invaded grass, forb, and shrub species during 1980 for treatment combinations on experimental revegetation plot R-1 (analyses correspond to those summarized on Table 6-3).

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 223

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.50265247	0.01069473	1.26	0.1457	0.252679	172.8676
ERROR	175	1.48663800	0.00849507		STD DEV		ASPC MEAN
CORRECTED TOTAL	222	1.98929047			0.09216873		0.05331753

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.04150002	2.44	0.0899
MULCH	3	0.05218435	2.05	0.1074
FERTILIZ	3	0.01387831	0.54	0.6566
BLOCK*MULCH	6	0.04369521	0.86	0.5276
BLOCK*FERTILIZ	6	0.05556224	1.09	0.3702
MULCH*FERTILIZ	9	0.08250863	1.08	0.3804
BLOCK*MULCH*FERTILIZ	18	0.21332372	1.40	0.1388

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 45

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	34	1.34649357	0.03960275	0.77	0.7338	0.722371	165.2615
ERROR	10	0.51749796	0.05174980		STD DEV		ASPC MEAN
CORRECTED TOTAL	44	1.86399153			0.22748581		0.13765204

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00422376	0.04	0.9602
MULCH	3	0.03379880	0.22	0.8819
FERTILIZ	3	0.12566735	0.81	0.5171
BLOCK*MULCH	6	0.25448995	0.82	0.5791
BLOCK*FERTILIZ	6	0.26859492	0.87	0.5514
MULCH*FERTILIZ	9	0.51423289	1.10	0.4364
BLOCK*MULCH*FERTILIZ	5	0.14548592	0.56	0.7273

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	1	2
MULCH	1	3
FERTILIZ	1	1

NUMBER OF OBSERVATIONS IN BY GROUP = 1

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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	0	0	0	99999.99	0.0000	0.000000	0.0000
ERROR	0	0	0		STD DEV		ASPC MEAN
CORRECTED TOTAL	0	0			0		0.02000133

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	0	0	.	.
MULCH	0	0	.	.
FERTILIZ	0	0	.	.
BLOCK*MULCH	0	0	.	.
BLOCK*FERTILIZ	0	0	.	.
MULCH*FERTILIZ	0	0	.	.
BLOCK*MULCH*FERTILIZ	0	0	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 138

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
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THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	1.20625341	0.02566497	0.98	0.5274	0.337598	115.4149
ERROR	90	2.36679220	0.02629769		STD DEV		ASPC MEAN
CORRECTED TOTAL	137	3.57304561			0.16216563		0.14050669

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01978503	0.38	0.6876
MULCH	3	0.14646606	1.86	0.1410
FERTILIZ	3	0.23954920	3.04	0.0327
BLOCK*MULCH	6	0.09424108	0.60	0.7318
BLOCK*FERTILIZ	6	0.11871748	0.75	0.6091
MULCH*FERTILIZ	9	0.22738908	0.96	0.4782
BLOCK*MULCH*FERTILIZ	18	0.36010547	0.76	0.7390

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 175

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.96124322	0.02045198	0.39	0.9998	0.127370	108.1835
ERROR	127	6.58560005	0.05185512		STD DEV		ASPC MEAN
CORRECTED TOTAL	174	7.54684327			0.22771719		0.21049156

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.04181779	0.40	0.6690
MULCH	3	0.12776245	0.82	0.4871
FERTILIZ	3	0.19782589	1.27	0.2864
BLOCK*MULCH	6	0.08081440	0.26	0.9545
BLOCK*FERTILIZ	6	0.09663169	0.31	0.9305
MULCH*FERTILIZ	9	0.16909982	0.36	0.9504
BLOCK*MULCH*FERTILIZ	18	0.24729099	0.26	0.9989

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 128

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	46	0.05256564	0.00114273	0.82	0.7708	0.316803	84.1992
ERROR	81	0.11335976	0.00139950		STD DEV		ASPC MEAN
CORRECTED TOTAL	127	0.16592541			0.03740994		0.04443026

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00098801	0.35	0.7037
MULCH	3	0.00665505	1.59	0.1979
FERTILIZ	3	0.00283290	0.67	0.5736
BLOCK*MULCH	6	0.00310659	0.37	0.8960
BLOCK*FERTILIZ	6	0.01386180	1.65	0.1439
MULCH*FERTILIZ	9	0.01333086	1.06	0.4025
BLOCK*MULCH*FERTILIZ	17	0.01179044	0.50	0.9480

Results of a one-way ANOVA comparing arcsine transformed coverage estimates for grasses, forbs and shrubs between 1976, 1977, 1978 and 1980 for experimental revegetation plot R-1 (analyses correspond to those summarized on Table 6-4).

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 681

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	8.94189863	2.98063288	23.99	0.0001	0.096107	202.9089
ERROR	677	84.09903638	0.12422310		STD DEV		ASPC MEAN
CORRECTED TOTAL	680	93.04093501			0.35245297		0.17370008

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	8.94189863	23.99	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 130

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.43515994	0.14505331	7.64	0.0001	0.153961	149.1807
ERROR	126	2.39127670	0.01897839		STD DEV		ASPC MEAN
CORRECTED TOTAL	129	2.82643664			0.13776206		0.09234579

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.43515994	7.64	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 634

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	1.20270257	0.40090086	58.99	0.0001	0.219292	139.7580
ERROR	630	4.28176665	0.00679645		STD DEV		ASPC MEAN
CORRECTED TOTAL	633	5.48446921			0.08244061		0.05898811

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	1.20270257	58.99	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 819

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	2.88630632	0.96210211	57.62	0.0001	0.174980	113.4341
ERROR	815	13.60879443	0.01669791		STD DEV		ASPC MEAN
CORRECTED TOTAL	818	16.49510075			0.12922038		0.11391667

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	2.88630632	57.62	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 652

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SITE R-1

ONE-WAY ANALYSIS OF VARIANCE BY GR_FRM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.04146267	0.01382089	12.45	0.0001	0.054507	93.3147
ERROR	648	0.71921963	0.00110991		STD DEV		ASPC MEAN
CORRECTED TOTAL	651	0.76068230			0.03331526		0.03570204

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.04146267	12.45	0.0001

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted and invaded grass, forb, and shrub species on treatment combinations between 1976, 1977, 1978 and 1980 for experimental revegetation plot R-1 (analyses correspond to those summarized on Table 6-6).

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 634

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.48455698	0.01030972	1.21	0.1668	0.088351	156.5914
ERROR	586	4.99991224	0.00853227		STD DEV		ASPC MEAN
CORRECTED TOTAL	633	5.48446921			0.09237051		0.05898811

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00896663	0.53	0.5916
MULCH	3	0.14471039	5.65	0.0009
FERTILIZ	3	0.08704567	3.40	0.0175
BLOCK*MULCH	6	0.03297291	0.64	0.6949
BLOCK*FERTILIZ	6	0.02460290	0.48	0.8230
MULCH*FERTILIZ	9	0.08687531	1.13	0.3378
BLOCK*MULCH*FERTILIZ	18	0.09938318	0.65	0.8628

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 819

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	1.13247276	0.02409517	1.21	0.1631	0.068655	123.9134
ERROR	771	15.36262799	0.01992559		STD DEV		ASPC MEAN
CORRECTED TOTAL	818	16.49510075			0.14115802		0.11391667

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.02539905	0.64	0.5290
MULCH	3	0.15910308	2.66	0.0463
FERTILIZ	3	0.32433715	5.43	0.0012
BLOCK*MULCH	6	0.01398214	0.12	0.9944
BLOCK*FERTILIZ	6	0.11307592	0.95	0.4613
MULCH*FERTILIZ	9	0.23749354	1.32	0.2194
BLOCK*MULCH*FERTILIZ	18	0.25908187	0.72	0.7899

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 652

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.16116513	0.00342905	3.45	0.0001	0.211869	88.2448
ERROR	604	0.59951717	0.00099258		STD DEV		ASPC MEAN
CORRECTED TOTAL	651	0.76068230			0.03150521		0.03570204

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00241976	1.22	0.2963
MULCH	3	0.08035573	26.99	0.0001
FERTILIZ	3	0.00958651	3.22	0.0222
BLOCK*MULCH	6	0.00811143	1.36	0.2277
BLOCK*FERTILIZ	6	0.02656255	4.46	0.0002
MULCH*FERTILIZ	9	0.00544198	0.61	0.7909
BLOCK*MULCH*FERTILIZ	18	0.02868716	1.61	0.0535

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 681

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	5.99155372	0.12747987	0.93	0.6137	0.064397	213.4917
ERROR	633	87.04938129	0.13751877		STD DEV		ASPC MEAN
CORRECTED TOTAL	680	93.04093501			0.37083523		0.17370008

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.28565727	1.04	0.3545
MULCH	3	1.11882253	2.71	0.0434
FERTILIZ	3	0.63420204	1.54	0.2021
BLOCK*MULCH	6	0.44517632	0.54	0.7783
BLOCK*FERTILIZ	6	0.81556290	0.99	0.4320
MULCH*FERTILIZ	9	0.77208588	0.62	0.7785
BLOCK*MULCH*FERTILIZ	18	1.92004678	0.78	0.7301

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 130

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-1 - 1980

THREE-WAY ANALYSIS OF VARIANCE
BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	43	0.94499608	0.02197665	1.00	0.4815	0.334342	160.1692
ERROR	86	1.88144056	0.02187722		STD DEV		ASPC MEAN
CORRECTED TOTAL	129	2.82643664			0.14790949		0.09234579

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00012334	0.00	0.9972
MULCH	3	0.05296218	0.81	0.4961
FERTILIZ	3	0.11695406	1.78	0.1550
BLOCK*MULCH	6	0.22637581	1.72	0.1249
BLOCK*FERTILIZ	6	0.09102065	0.69	0.6555
MULCH*FERTILIZ	9	0.26933028	1.37	0.2148
BLOCK*MULCH*FERTILIZ	14	0.18822977	0.61	0.8461

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted and invaded grass, forb, and shrub species during 1980 for treatment combinations on experimental revegetation plot R-2 (analyses correspond to those summarized on Table 6-3).

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 235

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.31228435	0.00664435	1.34	0.0912	0.251355	125.8094
ERROR	187	0.93012039	0.00497391		STD DEV		ASPC MEAN
CORRECTED TOTAL	234	1.24240475			0.07052592		0.05605777

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.03524529	3.54	0.0309
MULCH	3	0.05124920	3.43	0.0180
FERTILIZ	3	0.01466396	0.98	0.4034
BLOCK*MULCH	6	0.03633858	1.22	0.2990
BLOCK*FERTILIZ	6	0.02249660	0.75	0.6071
MULCH*FERTILIZ	9	0.07413562	1.66	0.1018
BLOCK*MULCH*FERTILIZ	18	0.07815511	0.87	0.6119

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 31

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	26	0.01329935	0.00051151	0.23	0.9925	0.595777	123.6356
ERROR	4	0.00902334	0.00225584		STD DEV		ASPC MEAN
CORRECTED TOTAL	30	0.02232269			0.04749564		0.03841584

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00249571	0.55	0.6136
MULCH	3	0.00175914	0.26	0.8514
FERTILIZ	3	0.00048305	0.07	0.9722
BLOCK*MULCH	6	0.00249254	0.18	0.9660
BLOCK*FERTILIZ	6	0.00446946	0.33	0.8907
MULCH*FERTILIZ	5	0.00132879	0.12	0.9812
BLOCK*MULCH*FERTILIZ	1	0.00027064	0.12	0.7465

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	2	1 2
MULCH	2	1 3
FERTILIZ	1	4

NUMBER OF OBSERVATIONS IN BY GROUP = 2

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	1	0.00610036	0.00610036	99999.99	0.0000	1.000000	0.0000
ERROR	0	0.00000000	0.00000000		STD DEV		ASPC MEAN
CORRECTED TOTAL	1	0.00610036			0.00000000		0.08523296

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	1	0.00610036	.	.
MULCH	0	0.00000000	.	.
FERTILIZ	0	0.00000000	.	.
BLOCK*MULCH	0	0.00000000	.	.
BLOCK*FERTILIZ	0	0.00000000	.	.
MULCH*FERTILIZ	0	0.00000000	.	.
BLOCK*MULCH*FERTILIZ	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 124

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.71470582	0.01520651	1.09	0.3592	0.403391	90.8285
ERROR	76	1.05703845	0.01390840		STD DEV		ASPC MEAN
CORRECTED TOTAL	123	1.77174427			0.11793388		0.12984235

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.04312803	1.55	0.2188
MULCH	3	0.03917517	0.94	0.4279
FERTILIZ	3	0.05720350	1.37	0.2572
BLOCK*MULCH	6	0.08614245	1.03	0.4112
BLOCK*FERTILIZ	6	0.04236379	0.51	0.8008
MULCH*FERTILIZ	9	0.14502437	1.16	0.3335
BLOCK*MULCH*FERTILIZ	18	0.30166851	1.20	0.2790

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 184

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.35492427	0.00755158	0.43	0.9993	0.129765	83.0463
ERROR	136	2.38021580	0.01750159		STD DEV		ASPC MEAN
CORRECTED TOTAL	183	2.73514007			0.13229356		0.15930106

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.06868028	1.96	0.1445
MULCH	3	0.03209761	0.61	0.6128
FERTILIZ	3	0.01968285	0.37	0.7742
BLOCK*MULCH	6	0.02384033	0.23	0.9673
BLOCK*FERTILIZ	6	0.03792692	0.36	0.9023
MULCH*FERTILIZ	9	0.07874344	0.50	0.8730
BLOCK*MULCH*FERTILIZ	18	0.09395284	0.30	0.9977

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 114

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM

THREE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM
FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	46	0.49514465	0.01076401	0.64	0.9469	0.304083	122.7771
ERROR	67	1.13317619	0.01691308		STD DEV		ASPC MEAN
CORRECTED TOTAL	113	1.62832084			0.13005029		0.10592385

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.01154963	0.34	0.7120
MULCH	3	0.10415573	2.05	0.1133
FERTILIZ	3	0.02687260	0.53	0.6675
BLOCK*MULCH	6	0.07762210	0.76	0.6001
BLOCK*FERTILIZ	6	0.03856420	0.38	0.8893
MULCH*FERTILIZ	9	0.01632122	0.11	0.9992
BLOCK*MULCH*FERTILIZ	17	0.22005917	0.77	0.7250

Results of a one-way ANOVA comparing arcsine transformed coverage estimates for grasses, forbs and shrubs between 1976, 1977, 1978 and 1980 for experimental revegetation plot R-2 (analyses correspond to those summarized on Table 6-4).

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 620

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.89838457	0.29946152	74.37	0.0001	0.265885	115.3451
ERROR	616	2.48046530	0.00402673		STD DEV		ASPC MEAN
CORRECTED TOTAL	619	3.37884987			0.06345652		0.05501449

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.89838457	74.37	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 828

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
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ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	1.54483937	0.51494646	48.23	0.0001	0.149376	99.7436
ERROR	824	8.79709123	0.01067608		STD DEV		ASPC MEAN
CORRECTED TOTAL	827	10.34193061			0.10332513		0.10359073

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	1.54483937	48.23	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 638

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.51949112	0.17316371	50.32	0.0001	0.192325	126.1556
ERROR	634	2.18161506	0.00344103		STD DEV		ASPC MEAN
CORRECTED TOTAL	637	2.70110618			0.05866032		0.04649839

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.51949112	50.32	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 693

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	8.96159919	2.98719973	24.69	0.0001	0.097078	201.5798
ERROR	689	83.35215065	0.12097555		STD DEV		ASPC MEAN
CORRECTED TOTAL	692	92.31374984			0.34781539		0.17254477

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	8.96159919	24.69	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	76 77 78 80

NUMBER OF OBSERVATIONS IN BY GROUP = 117

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.31586988	0.10528996	21.65	0.0001	0.364965	118.2101
ERROR	113	0.54960973	0.00486380		STD DEV		ASPC MEAN
CORRECTED TOTAL	116	0.86547961			0.06974097		0.06001285

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.31586988	21.65	0.0001

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	1	80

NUMBER OF OBSERVATIONS IN BY GROUP = 2

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

ONE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	0	0.00000000	0.00000000	0.00	1.0000	0.000000	91.6369
ERROR	1	0.00610036	0.00610036		STD DEV		ASPC MEAN
CORRECTED TOTAL	1	0.00610036			0.07810483		0.08523296

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	0	0.00000000	.	.

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted and invaded grass, forb, and shrub species on treatment combinations between 1976, 1977, 1978 and 1980 for experimental revegetation plot R-2 (analyses correspond to those summarized on Table 6-6).

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
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THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 1313

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	2.83860326	0.06039581	0.78	0.8524	0.028326	237.0375
ERROR	1265	97.37421763	0.07697567		STD DEV		ASPC MEAN
CORRECTED TOTAL	1312	100.21282088			0.27744489		0.11704685

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.10008437	0.65	0.5222
MULCH	3	0.56617469	2.45	0.0608
FERTILIZ	3	0.39392246	1.71	0.1622
BLOCK*MULCH	6	0.30375920	0.66	0.6839
BLOCK*FERTILIZ	6	0.23647524	0.51	0.7996
MULCH*FERTILIZ	9	0.38189448	0.55	0.8383
BLOCK*MULCH*FERTILIZ	18	0.85629282	0.62	0.8881

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 945

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.42002034	0.00893660	0.73	0.9123	0.036837	112.6821
ERROR	897	10.98206775	0.01224311		STD DEV		ASPC MEAN
CORRECTED TOTAL	944	11.40208809			0.11064858		0.09819537

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.02534025	1.03	0.3557
MULCH	3	0.01472917	0.40	0.7557
FERTILIZ	3	0.13612657	3.71	0.0115
BLOCK*MULCH	6	0.02502848	0.34	0.9154
BLOCK*FERTILIZ	6	0.04621999	0.63	0.7070
MULCH*FERTILIZ	9	0.07240919	0.66	0.7495
BLOCK*MULCH*FERTILIZ	18	0.10016669	0.45	0.9752

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 640

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR PLANTED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	0.27995677	0.00595653	1.45	0.0294	0.103298	137.4348
ERROR	592	2.43024113	0.00410514		STD DEV		ASPC MEAN
CORRECTED TOTAL	639	2.71019790			0.06407134		0.04661944

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00954965	1.16	0.3132
MULCH	3	0.14922727	12.12	0.0001
FERTILIZ	3	0.00210138	0.17	0.9137
BLOCK*MULCH	6	0.04349585	1.77	0.1038
BLOCK*FERTILIZ	6	0.01893709	0.77	0.5946
MULCH*FERTILIZ	9	0.01801038	0.49	0.8839
BLOCK*MULCH*FERTILIZ	18	0.03863515	0.52	0.9480

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 693

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=FORB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	47	5.79285180	0.12325217	0.92	0.6292	0.062752	212.2652
ERROR	645	86.52089804	0.13414093		SID DEV		ASPC MEAN
CORRECTED TOTAL	692	92.31374984			0.36625255		0.17254477

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.29189166	1.09	0.3375
MULCH	3	1.22736858	3.05	0.0277
FERTILIZ	3	0.71828504	1.78	0.1469
BLOCK*MULCH	6	0.58304544	0.72	0.6301
BLOCK*FERTILIZ	6	0.52727592	0.66	0.6860
MULCH*FERTILIZ	9	0.75890370	0.63	0.7744
BLOCK*MULCH*FERTILIZ	18	1.68608147	0.70	0.8146

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	3	1 2 3
MULCH	4	1 2 3 4
FERTILIZ	4	1 2 3 4

NUMBER OF OBSERVATIONS IN BY GROUP = 117

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	46	0.37699067	0.00819545	1.17	0.2683	0.435586	139.1984
ERROR	70	0.48848894	0.00697841		STD DEV		ASPC MEAN
CORRECTED TOTAL	116	0.86547961			0.08353690		0.06001285

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	2	0.00555632	0.40	0.6731
MULCH	3	0.10574989	5.05	0.0033
FERTILIZ	3	0.03054131	1.46	0.2321
BLOCK*MULCH	6	0.05619455	1.34	0.2504
BLOCK*FERTILIZ	6	0.01094994	0.26	0.9529
MULCH*FERTILIZ	9	0.07780633	1.24	0.2857
BLOCK*MULCH*FERTILIZ	17	0.09019233	0.76	0.7308

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
BLOCK	2	1 2
MULCH	2	1 3
FERTILIZ	1	4

NUMBER OF OBSERVATIONS IN BY GROUP = 2

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-2

THREE-WAY ANALYSIS OF VARIANCE FOR
ALL YEARS BY GROWTH FORM FOR INVADED SPECIES

GR_FRM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	1	0.00610036	0.00610036	99999.99	0.0000	1.000000	0.0000
ERROR	0	0.00000000	0.00000000		STD DEV		ASPC MEAN
CORRECTED TOTAL	1	0.00610036			0.00000000		0.08523296

SOURCE	DF	TYPE I SS	F VALUE	PR > F
BLOCK	1	0.00610036	.	.
MULCH	0	0.00000000	.	.
FERTILIZ	0	0.00000000	.	.
BLOCK*MULCH	0	0.00000000	.	.
BLOCK*FERTILIZ	0	0.00000000	.	.
MULCH*FERTILIZ	0	0.00000000	.	.
BLOCK*MULCH*FERTILIZ	0	0.00000000	.	.

APPENDIX 6-2.3

Coverage Data (%) for Species by Growth Form Occurring on Treatment and Control Plots on Experimental Revegetation Plot R-3 During 1980

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-S - 1980

PERCENT COVER OF PLANT SPECIES

------ SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
1	ASTRAGALUS CICER	10	1	2	4.3333
2	ASTRAGALUS CICER	22	2	11	11.6667

------ SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
3	SALSOLA KALI	4	0	0	1.33333
4	SALSOLA KALI	1	1	2	1.33333

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
5	AGROPYRON SPECIES	8	15	16	13.0000
6	AGROPYRON SPECIES	16	25	13	18.0000
7	AGROPYRON TRICHOPHORUM	4	0	0	1.3333
8	AGROPYRON TRICHOPHORUM	0	2	6	2.6667
9	BROMUS INERMIS	0	2	0	0.6667
10	BROMUS INERMIS	1	2	2	1.6667
11	ORYZOPSIS HYMENOIDES	6	5	5	5.3333
12	ORYZOPSIS HYMENOIDES	2	4	1	2.3333
13	STIPA VIRIDULA	2	0	0	0.6667
14	STIPA VIRIDULA	0	0	3	1.0000

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
15	AGROPYRON CRISTATUM	4	7	2	4.3333
16	BROMUS TECTORUM	1	18	13	10.6667
17	BROMUS TECTORUM	14	11	3	9.3333

RIO BLANCO OIL SHALE COMPANY
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PERCENT COVER OF PLANT SPECIES

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
18	CHRYSOTHAMNUS NAUSEOSUS	0	0	16	5.33333
19	PURSHIA TRIDENTATA	1	0	0	0.33333

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
20	GUTIERREZIA SAROTHRAE	1	0	0	0.333333

---- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
21	ASTRAGALUS CICER	4	0	9	4.33333
22	ASTRAGALUS CICER	3	6	12	7.00000
23	LINUM LEWISII	0	0	1	0.33333

--- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED ----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
24	AGROPYRON SPECIES	17	10	9	12.0000
25	AGROPYRON SPECIES	17	15	22	18.0000
26	AGROPYRON TRICHOPHORUM	7	4	7	6.0000
27	AGROPYRON TRICHOPHORUM	5	4	6	5.0000
28	BROMUS INERMIS	1	2	6	3.0000
29	BROMUS INERMIS	2	4	1	2.3333
30	ORYZOPSIS HYMENOIDES	4	3	3	3.3333
31	ORYZOPSIS HYMENOIDES	7	3	9	6.3333
32	STIPA VIRIDULA	6	2	0	2.6667
33	STIPA VIRIDULA	0	7	2	3.0000

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
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PERCENT COVER OF PLANT SPECIES

--- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED ----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
34	AGROPYRON CRISTATUM	3	1	3	2.33333
35	BROMUS TECTORUM	1	3	0	1.33333
36	BROMUS TECTORUM	1	2	1	1.33333

---- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED ----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
37	ATRIPLEX CANESCENS	0	1	0	0.33333
38	EUROTIA LANATA	1	8	0	3.00000
39	EUROTIA LANATA	5	5	1	3.66667
40	PURSHIA TRIDENTATA	0	1	1	0.66667

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
41	ASTRAGALUS CICER	8	2	3	4.33333
42	ASTRAGALUS CICER	3	2	1	2.00000
43	LINUM LEWISII	0	0	2	0.66667
44	LINUM LEWISII	0	0	1	0.33333
45	MELILOTUS OFFICINALIS	1	0	0	0.33333
46	MELILOTUS OFFICINALIS	0	0	1	0.33333

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
47	SALSOLA KALI	0	0	1	0.333333

RIO BLANCO OIL SHALE COMPANY
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PERCENT COVER OF PLANT SPECIES

---- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
48	AGROPYRON SPECIES	10	17	16	14.3333
49	AGROPYRON SPECIES	19	11	9	13.0000
50	AGROPYRON TRICHOPHORUM	6	5	7	6.0000
51	AGROPYRON TRICHOPHORUM	4	8	6	6.0000
52	BROMUS INERMIS	3	3	5	3.6667
53	BROMUS INERMIS	2	2	3	2.3333
54	ORYZOPSIS HYMENOIDES	3	7	6	5.3333
55	ORYZOPSIS HYMENOIDES	6	4	7	5.6667
56	STIPA VIRIDULA	1	0	0	0.3333
57	STIPA VIRIDULA	0	2	0	0.6667

---- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
58	BROMUS TECTORUM	0	1	0	0.333333
59	BROMUS TECTORUM	1	0	0	0.333333
60	PHLEUM PRATENSE	0	0	1	0.333333

----- SUBSTRAT=NO PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
61	ATRIPLEX CANESCENS	0	0	1	0.33333
62	ATRIPLEX CANESCENS	0	0	1	0.33333
63	EUROTIA LANATA	0	1	3	1.33333
64	EUROTIA LANATA	2	2	7	3.66667
65	PURSHIA TRIDENTATA	1	1	0	0.66667

- SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
66	ASTRAGALUS CICER	12	11	9	10.6667
67	ASTRAGALUS CICER	10	22	7	13.0000
68	MELILOTUS OFFICINALIS	1	2	1	1.3333

PERCENT COVER OF PLANT SPECIES

- SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
69	MELILOTUS OFFICINALIS	0	0	1	0.333333

- SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
70	ASTER SPECIES	1	0	0	0.333333
71	ASTER SPECIES	0	0	1	0.333333
72	PHYSARIA FLORIBUNDA	0	0	1	0.333333
73	SALSOLA KALI	0	0	1	0.333333
74	SALSOLA KALI	0	0	1	0.333333
75	SPHAERALCEA COCCINEA	0	1	0	0.333333
76	UNKNOWN FORBS	0	0	1	0.333333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
77	AGROPYRON SPECIES	10	4	6	6.66667
78	AGROPYRON SPECIES	7	8	6	7.00000
79	AGROPYRON TRICHOPHORUM	5	3	0	2.66667
80	AGROPYRON TRICHOPHORUM	0	3	5	2.66667
81	BROMUS INERMIS	1	0	0	0.33333
82	BROMUS INERMIS	1	0	0	0.33333
83	ORYZOPSIS HYMENOIDES	1	0	0	0.33333
84	ORYZOPSIS HYMENOIDES	0	0	5	1.66667
85	STIPA VIRIDULA	3	3	5	3.66667
86	STIPA VIRIDULA	5	3	0	2.66667

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
87	AGROPYRON CRISTATUM	2	6	10	6.00000
88	AGROPYRON CRISTATUM	13	8	0	7.00000
89	BROMUS TECTORUM	0	16	0	5.33333

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PERCENT COVER OF PLANT SPECIES

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
90	BROMUS TECTORUM	1	1	2	1.33333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
91	PURSHIA TRIDENTATA	1	0	0	0.333333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
92	ASTRAGALUS CICER	5	9	7	7.00000
93	ASTRAGALUS CICER	2	3	2	2.33333
94	LINUM LEWISII	0	1	0	0.33333
95	MELILOTUS OFFICINALIS	0	2	0	0.66667

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
96	CRYPTANTHA SERICEA	0	0	1	0.333333
97	SALSOLA KALI	0	0	1	0.333333
98	UNKNOWN FORBS	1	0	0	0.333333

PERCENT COVER OF PLANT SPECIES

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
99	AGROPYRON SPECIES	13	3	6	7.3333
100	AGROPYRON SPECIES	25	6	6	12.3333
101	AGROPYRON TRICHOPHORUM	7	6	8	7.0000
102	AGROPYRON TRICHOPHORUM	4	5	8	5.6667
103	BROMUS INERMIS	3	2	0	1.6667
104	BROMUS INERMIS	0	1	0	0.3333
105	ORYZOPSIS HYMENOIDES	6	1	3	3.3333
106	ORYZOPSIS HYMENOIDES	1	5	0	2.0000
107	STIPA VIRIDULA	2	3	1	2.0000
108	STIPA VIRIDULA	6	0	5	3.6667

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
109	BROMUS TECTORUM	0	0	1	0.33333
110	BROMUS TECTORUM	3	4	0	2.33333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
111	ATRIPLEX CANESCENS	0	1	1	0.6667
112	EUROTIA LANATA	6	5	9	6.6667
113	EUROTIA LANATA	20	4	21	15.0000
114	KOCHIA PROSTRATA	0	10	0	3.3333
115	PURSHIA TRIDENTATA	0	0	1	0.3333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
116	GUTIERREZIA SAROTHRAE	1	0	0	0.333333

PERCENT COVER OF PLANT SPECIES

- SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
117	ASTRAGALUS CICER	1	0	1	0.666667
118	ASTRAGALUS CICER	0	0	1	0.333333
119	MELILOTUS OFFICINALIS	0	0	1	0.333333

- SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
120	SALSOLA KALI	1	0	0	0.333333
121	SPHAERALCEA COCCINEA	1	0	0	0.333333
122	UNKNOWN FORBS	0	0	1	0.333333
123	UNKNOWN FORBS	1	0	0	0.333333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
124	AGROPYRON SPECIES	18	21	16	18.3333
125	AGROPYRON SPECIES	13	22	15	16.6667
126	AGROPYRON TRICHOPHORUM	8	6	7	7.0000
127	AGROPYRON TRICHOPHORUM	4	7	8	6.3333
128	BROMUS INERMIS	1	2	3	2.0000
129	BROMUS INERMIS	2	2	5	3.0000
130	ORYZOPSIS HYMENOIDES	6	4	5	5.0000
131	ORYZOPSIS HYMENOIDES	4	4	2	3.3333
132	STIPA VIRIDULA	0	0	1	0.3333
133	STIPA VIRIDULA	1	4	5	3.3333

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
134	BROMUS TECTORUM	0	0	1	0.333333
135	BROMUS TECTORUM	0	1	1	0.666667

PERCENT COVER OF PLANT SPECIES

SUBSTRAT=NO PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
136	ATRIPLEX CANESCENS	2	1	4	2.33333
137	ATRIPLEX CANESCENS	1	0	0	0.33333
138	EUROTIA LANATA	6	2	4	4.00000
139	EUROTIA LANATA	5	5	6	4.66667
140	PURSHIA TRIDENTATA	1	1	1	1.00000
141	PURSHIA TRIDENTATA	0	0	1	0.33333

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
142	ASTRAGALUS CICER	2	6	0	2.66667
143	ASTRAGALUS CICER	10	1	1	4.00000

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
144	ASTER SPECIES	1	0	0	0.333333
145	SALSOLA KALI	0	0	1	0.333333
146	SALSOLA KALI	0	1	0	0.333333

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
147	AGROPYRON SPECIES	23	15	8	15.3333
148	AGROPYRON SPECIES	16	16	18	16.6667
149	AGROPYRON TRICHOPHORUM	4	6	3	4.3333
150	AGROPYRON TRICHOPHORUM	4	2	3	3.0000
151	BROMUS INERMIS	0	1	5	2.0000
152	BROMUS INERMIS	2	2	1	1.6667
153	ORYZOPSIS HYMENOIDES	5	0	6	3.6667
154	ORYZOPSIS HYMENOIDES	0	5	0	1.6667
155	STIPA VIRIDULA	4	2	2	2.6667
156	STIPA VIRIDULA	5	0	3	2.6667

PERCENT COVER OF PLANT SPECIES

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
157	BROMUS TECTORUM	2	2	11	5.00000
158	BROMUS TECTORUM	6	16	0	7.33333

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
159	EUROTIA LANATA	1	1	0	0.66667
160	EUROTIA LANATA	2	0	6	2.66667
161	KOCHIA PROSTRATA	0	2	0	0.66667

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=INVADED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
162	GUTIERREZIA SAROTHRAE	2	0	0	0.666667

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
163	ASTRAGALUS CICER	2	2	7	3.66667
164	ASTRAGALUS CICER	3	15	4	7.33333
165	MELILOTUS OFFICINALIS	1	0	0	0.33333
166	MELILOTUS OFFICINALIS	2	0	1	1.00000

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
167	PHYSARIA FLORIBUNDA	1	0	0	0.333333
168	SPHAERALCEA COCCINEA	0	0	1	0.333333
169	UNKNOWN FORBS	0	1	0	0.333333

PERCENT COVER OF PLANT SPECIES

----- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
170	AGROPYRON SPECIES	12	12	4	9.33333
171	AGROPYRON SPECIES	10	4	15	9.66667
172	AGROPYRON TRICHOPHORUM	9	6	12	9.00000
173	AGROPYRON TRICHOPHORUM	4	5	4	4.33333
174	BROMUS INERMIS	1	1	2	1.33333
175	BROMUS INERMIS	1	2	1	1.33333
176	ORYZOPSIS HYMENOIDES	6	7	2	5.00000
177	ORYZOPSIS HYMENOIDES	2	5	3	3.33333
178	STIPA VIRIDULA	0	0	5	1.66667
179	STIPA VIRIDULA	0	5	0	1.66667

----- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
180	BROMUS TECTORUM	2	2	0	1.33333

----- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
181	ATRIPLEX CANESCENS	1	0	0	0.33333
182	ATRIPLEX CANESCENS	0	1	0	0.33333
183	EUROTIA LANATA	7	3	0	3.33333
184	EUROTIA LANATA	0	0	1	0.33333
185	PURSHIA TRIDENTATA	1	0	0	0.33333
186	PURSHIA TRIDENTATA	1	1	0	0.66667

----- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=INVADED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
187	GUTIERREZIA SAROTHRAE	0	0	1	0.33333
188	GUTIERREZIA SAROTHRAE	4	0	0	1.33333

PERCENT COVER OF PLANT SPECIES

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
189	ASTRAGALUS CICER	0	0	2	0.66667
190	ASTRAGALUS CICER	3	2	1	2.00000
191	LINUM LEWISII	0	0	2	0.66667
192	PENSTEMON STRICTUS	1	0	0	0.33333

------- SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
193	ASTER SPECIES	1	0	0	0.333333
194	UNKNOWN FORBS	1	0	0	0.333333

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
195	AGROPYRON SPECIES	19	23	15	19.0000
196	AGROPYRON SPECIES	13	13	11	12.3333
197	AGROPYRON TRICHOPHORUM	6	8	6	6.6667
198	AGROPYRON TRICHOPHORUM	7	6	4	5.6667
199	BROMUS INERMIS	2	0	1	1.0000
200	BROMUS INERMIS	3	3	4	3.3333
201	ORYZOPSIS HYMENOIDES	5	2	2	3.0000
202	ORYZOPSIS HYMENOIDES	4	4	3	3.6667

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
203	BROMUS TECTORUM	2	2	1	1.66667
204	BROMUS TECTORUM	0	0	1	0.33333

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PERCENT COVER OF PLANT SPECIES

------ SUBSTRAT=NO PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
205	ATRIPLEX CANESCENS	0	0	1	0.33333
206	EUROTIA LANATA	2	5	3	3.33333
207	EUROTIA LANATA	5	4	5	4.66667

------- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
208	ASTRAGALUS CICER	1	4	0	1.66667
209	ASTRAGALUS CICER	3	1	3	2.33333
210	LINUM LEWISII	1	0	0	0.33333
211	MELILOTUS OFFICINALIS	0	0	1	0.33333

------- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
212	PHYSARIA FLORIBUNDA	0	1	0	0.333333
213	SALSOLA KALI	0	1	0	0.333333
214	UNKNOWN FORBS	0	0	1	0.333333

------ SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
215	AGROPYRON SPECIES	20	8	9	12.3333
216	AGROPYRON SPECIES	20	21	14	18.3333
217	AGROPYRON TRICHOPHORUM	0	0	6	2.0000
218	BROMUS INERMIS	1	1	4	2.0000
219	BROMUS INERMIS	1	1	3	1.6667
220	ORYZOPSIS HYMENOIDES	2	3	4	3.0000
221	ORYZOPSIS HYMENOIDES	2	2	1	1.6667
222	STIPA VIRIDULA	2	2	1	1.6667
223	STIPA VIRIDULA	0	2	0	0.6667

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PERCENT COVER OF PLANT SPECIES

------ SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
224	AGROPYRON CRISTATUM	3	0	0	1.00000
225	AGROPYRON CRISTATUM	3	4	9	5.33333
226	BROMUS TECTORUM	1	13	2	5.33333
227	BROMUS TECTORUM	4	2	0	2.00000

------- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
228	CHRYSOTHAMNUS NAUSEOSUS	0	0	23	7.66667
229	CHRYSOTHAMNUS NAUSEOSUS	0	10	0	3.33333
230	EUROTIA LANATA	0	4	0	1.33333
231	PURSHIA TRIDENTATA	0	1	3	1.33333

------ SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
232	ASTRAGALUS CICER	2	3	2	2.33333
233	ASTRAGALUS CICER	2	3	23	9.33333

----- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
234	AGROPYRON SPECIES	11	7	7	8.3333
235	AGROPYRON SPECIES	20	14	18	17.3333
236	AGROPYRON TRICHOPHORUM	9	3	6	6.0000
237	AGROPYRON TRICHOPHORUM	7	5	4	5.3333
238	BROMUS INERMIS	1	4	5	3.3333
239	BROMUS INERMIS	0	1	4	1.6667
240	ORYZOPSIS HYMENOIDES	6	3	0	3.0000
241	ORYZOPSIS HYMENOIDES	3	11	3	5.6667
242	STIPA VIRIDULA	2	0	0	0.6667

PERCENT COVER OF PLANT SPECIES

----- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -----

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
243	AGROPYRON CRISTATUM	9	22	11	14.0000
244	BROMUS TECTORUM	2	0	1	1.0000
245	BROMUS TECTORUM	1	3	1	1.6667

----- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
246	ATRIPLEX CANESCENS	0	7	0	2.33333
247	EUROTIA LANATA	5	5	2	4.00000

----- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=INVADED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
248	GUTIERREZIA SAROTHRAE	0	0	5	1.66667

------- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
249	ASTRAGALUS CICER	2	0	3	1.66667
250	ASTRAGALUS CICER	3	8	5	5.33333
251	LINUM LEWISII	0	0	1	0.33333

------- SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
252	UNKNOWN FORBS	0	0	1	0.333333

PERCENT COVER OF PLANT SPECIES

------ SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED ------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
253	AGROPYRON SPECIES	8	20	15	14.3333
254	AGROPYRON SPECIES	11	11	15	12.3333
255	AGROPYRON TRICHOPHORUM	19	9	12	13.3333
256	AGROPYRON TRICHOPHORUM	12	12	11	11.6667
257	BROMUS INERMIS	1	1	6	2.6667
258	BROMUS INERMIS	1	0	3	1.3333
259	ORYZOPSIS HYMENOIDES	2	6	6	4.6667
260	ORYZOPSIS HYMENOIDES	4	5	5	4.6667

------ SUBSTRAT=PROCESSED SHALE MULCH=HAY (2 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
261	ATRIPLEX CANESCENS	2	0	0	0.66667
262	EUROTIA LANATA	7	4	2	4.33333
263	PURSHIA TRIDENTATA	1	0	0	0.33333

--- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ---

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
264	ASTRAGALUS CICER	2	3	3	2.66667
265	ASTRAGALUS CICER	3	5	0	2.66667
266	MELILOTUS OFFICINALIS	0	1	0	0.33333

--- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ---

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
267	ASTER SPECIES	0	0	1	0.333333
268	SENECIO MULTILOBATUS	0	0	1	0.333333
269	SENECIO MULTILOBATUS	0	1	0	0.333333

PERCENT COVER OF PLANT SPECIES

-- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
270	AGROPYRON SPECIES	12	6	10	9.3333
271	AGROPYRON SPECIES	14	8	23	15.0000
272	AGROPYRON TRICHOPHORUM	0	0	5	1.6667
273	AGROPYRON TRICHOPHORUM	4	4	0	2.6667
274	BROMUS INERMIS	1	2	4	2.3333
275	BROMUS INERMIS	2	1	3	2.0000
276	ORYZOPSIS HYMENOIDES	4	0	2	2.0000
277	ORYZOPSIS HYMENOIDES	1	0	1	0.6667
278	STIPA VIRIDULA	1	4	0	1.6667

-- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED ---

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
279	CHRYSOTHAMNUS NAUSEOSUS	0	0	10	3.33333
280	EUROTIA LANATA	0	0	3	1.00000
281	EUROTIA LANATA	2	0	8	3.33333

- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
282	ASTRAGALUS CICER	4	4	2	3.33333
283	ASTRAGALUS CICER	1	2	3	2.00000

SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
284	AGROPYRON SPECIES	14	12	7	11.0000
285	AGROPYRON SPECIES	13	9	11	11.0000
286	AGROPYRON TRICHOPHORUM	4	6	6	5.3333
287	AGROPYRON TRICHOPHORUM	3	8	7	6.0000
288	BROMUS INERMIS	7	7	5	6.3333
289	BROMUS INERMIS	4	2	1	2.3333
290	ORYZOPSIS HYMENOIDES	3	6	2	3.6667

PERCENT COVER OF PLANT SPECIES

SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
291	ORYZOPSIS HYMENOIDES	2	2	5	3

SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
292	BROMUS TECTORUM	0	1	1	0.666667
293	BROMUS TECTORUM	0	1	0	0.333333
294	UNKNOWN GRASSES	1	0	0	0.333333

- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
295	EUROTIA LANATA	1	0	0	0.333333
296	EUROTIA LANATA	0	0	1	0.333333
297	PURSHIA TRIDENTATA	1	0	0	0.333333
298	PURSHIA TRIDENTATA	0	1	0	0.333333

-- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ---

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
299	ASTRAGALUS CICER	3	2	3	2.66667
300	ASTRAGALUS CICER	2	2	5	3.00000
301	LINUM LEWISII	0	0	1	0.33333

-- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ---

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
302	UNKNOWN FORBS	0	0	1	0.333333

PERCENT COVER OF PLANT SPECIES

- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
303	AGROPYRON SPECIES	8	16	14	12.6667
304	AGROPYRON SPECIES	10	14	13	12.3333
305	AGROPYRON TRICHOPHORUM	13	11	0	8.0000
306	AGROPYRON TRICHOPHORUM	11	13	6	10.0000
307	BROMUS INERMIS	0	0	1	0.3333
308	BROMUS INERMIS	3	0	0	1.0000
309	ORYZOPSIS HYMENOIDES	6	3	0	3.0000
310	ORYZOPSIS HYMENOIDES	6	6	3	5.0000

- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
311	BROMUS TECTORUM	1	0	0	0.333333

-- SUBSTRAT=PROCESSED SHALE MULCH=HYDROMULCH (.75 T/A) SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED --

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
312	ATRIPLEX CANESCENS	0	6	0	2.00000
313	EUROTIA LANATA	1	3	6	3.33333
314	EUROTIA LANATA	4	0	2	2.00000
315	KOCHIA PROSTRATA	0	12	0	4.00000
316	PURSHIA TRIDENTATA	0	0	1	0.33333

--------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ---------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
317	ASTRAGALUS CICER	1	4	1	2.00000
318	ASTRAGALUS CICER	1	0	1	0.66667

PERCENT COVER OF PLANT SPECIES

--------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED ---------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
319	ASTER SPECIES	0	1	0	0.333333
320	SALSOLA KALI	1	0	0	0.333333
321	UNKNOWN FORBS	0	0	1	0.333333
322	UNKNOWN FORBS	0	1	0	0.333333

-------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
323	AGROPYRON SPECIES	11	10	16	12.3333
324	AGROPYRON SPECIES	1	14	8	7.6667
325	AGROPYRON TRICHOPHORUM	3	0	6	3.0000
326	AGROPYRON TRICHOPHORUM	0	2	0	0.6667
327	BROMUS INERMIS	1	0	1	0.6667
328	BROMUS INERMIS	0	2	5	2.3333
329	ORYZOPSIS HYMENOIDES	0	1	2	1.0000
330	ORYZOPSIS HYMENOIDES	1	0	0	0.3333
331	STIPA VIRIDULA	0	0	1	0.3333
332	STIPA VIRIDULA	0	0	2	0.6667

-------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
333	AGROPYRON CRISTATUM	10	7	4	7.00000
334	BROMUS TECTORUM	0	14	10	8.00000
335	BROMUS TECTORUM	0	0	14	4.66667

-------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=LOW SEEDING RATE (15 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED ---------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
336	EUROTIA LANATA	6	1	2	3

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PERCENT COVER OF PLANT SPECIES

------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
337	ASTRAGALUS CICER	1	0	17	6.00000
338	ASTRAGALUS CICER	0	4	7	3.66667

------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=FORBS SPS_TYPE=INVADED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
339	UNKNOWN FORBS	0	0	1	0.333333

------ SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
340	AGROPYRON SPECIES	17	25	12	18.0000
341	AGROPYRON SPECIES	20	16	14	16.6667
342	AGROPYRON TRICHOPHORUM	5	4	0	3.0000
343	AGROPYRON TRICHOPHORUM	4	4	6	4.6667
344	BROMUS INERMIS	0	3	1	1.3333
345	BROMUS INERMIS	0	2	2	1.3333
346	ORYZOPSIS HYMENOIDES	2	1	0	1.0000
347	ORYZOPSIS HYMENOIDES	3	2	5	3.3333
348	STIPA VIRIDULA	0	2	3	1.6667

------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=MEDIUM SEEDING RATE (20 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED -------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
349	ATRIPLEX CANESCENS	0	0	1	0.33333
350	CAMPHOROSMA MONOSPELIACA	0	0	3	1.00000
351	EUROTIA LANATA	4	0	1	1.66667
352	EUROTIA LANATA	1	7	2	3.33333

PERCENT COVER OF PLANT SPECIES

-------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=FORBS SPS_TYPE=PLANTED ---------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
353	ASTRAGALUS CICER	2	4	0	2.00000
354	LINUM LEWISII	0	1	0	0.33333

------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
355	AGROPYRON SPECIES	10	9	15	11.3333
356	AGROPYRON SPECIES	13	9	15	12.3333
357	AGROPYRON TRICHOPHORUM	11	10	8	9.6667
358	AGROPYRON TRICHOPHORUM	11	10	9	10.0000
359	BROMUS INERMIS	1	2	2	1.6667
360	BROMUS INERMIS	0	1	0	0.3333
361	ORYZOPSIS HYMENOIDES	5	3	6	4.6667
362	ORYZOPSIS HYMENOIDES	5	5	6	5.3333

------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=GRASSES SPS_TYPE=INVADED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
363	BROMUS TECTORUM	1	0	0	0.333333

-------- SUBSTRAT=PROCESSED SHALE MULCH=NO MULCH SEEDING=HIGH SEEDING RATE (25 LB/A) GR_FRM=SHRUBS SPS_TYPE=PLANTED --------

OBS	SPECIES	SUBPLOT1	SUBPLOT2	SUBPLOT3	MEAN_COV
364	ATRIPLEX CANESCENS	10	0	0	3.33333
365	ATRIPLEX CANESCENS	3	0	0	1.00000
366	EUROTIA LANATA	5	0	1	2.00000
367	EUROTIA LANATA	1	5	0	2.00000
368	PURSHIA TRIDENTATA	0	1	0	0.33333

APPENDIX 6-2.4

Analyses for R-3 Experimental Revegetation Data

Results of a one-way ANOVA comparing coverage of all species occurring on treatment and control portions of experimental revegetation plot R-3 during 1980.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE
FOR THE MAIN EFFECT OF SUBSTRATE TYPE
(NO PROCESSED SHALE AND PROCESSED SHALE)

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2

NUMBER OF OBSERVATIONS IN DATA SET = 368

RIO BLANCO OIL SHALE COMPANY
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R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE
FOR THE MAIN EFFECT OF SUBSTRATE TYPE
(NO PROCESSED SHALE AND PROCESSED SHALE)

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	1	0.00998215	0.00998215	0.59	0.4439	0.001602	118.7603
ERROR	366	6.21960234	0.01699345		STD DEV		ASPC MEAN
CORRECTED TOTAL	367	6.22958449			0.13035892		0.10976638

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00998215	0.59	0.4439

Results of a one-way ANOVA comparing arcsine transformed coverage estimates for planted grasses, forbs and shrubs between 1977, 1978, 1979 and 1980 for experimental revegetation plot R-3 (analyses correspond to those summarized on Table 6-22).

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R-S - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	77 78 79 80

NUMBER OF OBSERVATIONS IN BY GROUP = 238

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES, HOWEVER, ONLY 233 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

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R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPL

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.18440434	0.06146811	2.22	0.0849	0.028286	202.3603
ERROR	229	6.33498315	0.02766368		STD DEV		ASPC MEAN
CORRECTED TOTAL	232	6.51938749			0.16632403		0.08219201

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.18440434	2.22	0.0849

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R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	77 78 79 80

NUMBER OF OBSERVATIONS IN BY GROUP = 319

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES, HOWEVER, ONLY 301 OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

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R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.90661036	0.30220345	9.37	0.0001	0.086488	98.0888
ERROR	297	9.57592330	0.03224217		STD DEV		ASPC MEAN
CORRECTED TOTAL	300	10.48253366			0.17956104		0.18305965

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.90661036	9.37	0.0001

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
YEAR	4	77 78 79 80

NUMBER OF OBSERVATIONS IN BY GROUP = 171

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES, HOWEVER, ONLY 162
OBSERVATIONS IN BY GROUP CAN BE USED IN THIS ANALYSIS.

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

ONE-WAY ANALYSIS OF VARIANCE BY GROWTH FORM

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	3	0.82814036	0.27604679	5.71	0.0011	0.097813	157.7055
ERROR	158	7.63843134	0.04834450		STD DEV		ASPC MEAN
CORRECTED TOTAL	161	8.46657169			0.21987383		0.13942052

SOURCE	DF	TYPE I SS	F VALUE	PR > F
YEAR	3	0.82814036	5.71	0.0011

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted and invaded grass, forb and shrub species occurring on experimental revegetation plot R-3 during 1980 (analyses correspond to those summarized on Table 6-24).

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R-S - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 55

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.19067480	0.01121616	1.47	0.1596	0.403532	105.3317
ERROR	37	0.28184010	0.00761730		STD DEV		ASPC MEAN
CORRECTED TOTAL	54	0.47251490			0.08727715		0.08285931

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00427774	0.56	0.4584
MULCH	2	0.00422295	0.28	0.7595
SEEDING	2	0.06368551	4.18	0.0231
SUBSTRAT*MULCH	2	0.00300523	0.20	0.8218
SUBSTRAT*SEEDING	2	0.08878996	5.83	0.0063
MULCH*SEEDING	4	0.01247584	0.41	0.8006
SUBSTRA*MULCH*SEEDIN	4	0.01421757	0.47	0.7598

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 166

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.28265365	0.01662669	0.68	0.8211	0.072260	95.0549
ERROR	148	3.62896942	0.02452006		STD DEV		ASPC MEAN
CORRECTED TOTAL	165	3.91162307			0.15658884		0.16473508

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00433964	0.18	0.6746
MULCH	2	0.01763247	0.36	0.6986
SEEDING	2	0.17838640	3.64	0.0287
SUBSTRAT*MULCH	2	0.01566019	0.32	0.7271
SUBSTRAT*SEEDING	2	0.01070502	0.22	0.8041
MULCH*SEEDING	4	0.00819151	0.08	0.9874
SUBSTRA*MULCH*SEEDIN	4	0.04773842	0.49	0.7455

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 66

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM
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THREE-WAY ANALYSIS OF VARIANCE FOR PLANTED SPECIES
BY GROWTH FORMS

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.08753273	0.00514898	0.97	0.5089	0.254882	113.7702
ERROR	48	0.25589173	0.00533108		STD DEV		ASPC MEAN
CORRECTED TOTAL	65	0.34342446			0.07301423		0.06417694

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00025758	0.05	0.8270
MULCH	2	0.00865377	0.81	0.4501
SEEDING	2	0.00245528	0.23	0.7952
SUBSTRAT*MULCH	2	0.01899389	1.78	0.1794
SUBSTRAT*SEEDING	2	0.01036504	0.97	0.3856
MULCH*SEEDING	4	0.01114571	0.52	0.7195
SUBSTRA*MULCH*SEEDIN	4	0.03566147	1.67	0.1716

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 38

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATIONSTUDIES PROGRAM
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THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=FORBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	13	0.00170646	0.00013127	99999.99	0.0000	1.000000	0.0000
ERROR	24	0.00000000	0.00000000		STD DEV		ASPC MEAN
CORRECTED TOTAL	37	0.00170646			0.00000000		0.01157967

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00004930	.	.
MULCH	2	0.00051940	.	.
SEEDING	2	0.00009402	.	.
SUBSTRAT*MULCH	2	0.00050991	.	.
SUBSTRAT*SEEDING	2	0.00002410	.	.
MULCH*SEEDING	3	0.00031220	.	.
SUBSTRA*MULCH*SEEDIN	1	0.00019753	.	.

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THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 37

RIO BLANCO OIL SHALE COMPANY
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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=GRASSES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	14	0.23835754	0.01702554	2.25	0.0431	0.588520	87.6276
ERROR	22	0.16665456	0.00757521		STD DEV		ASPC MEAN
CORRECTED TOTAL	36	0.40501211			0.08703567		0.09932445

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00089672	0.12	0.7341
MULCH	2	0.02313867	1.53	0.2393
SEEDING	2	0.14251793	9.41	0.0011
SUBSTRAT*MULCH	2	0.00265287	0.18	0.8405
SUBSTRAT*SEEDING	2	0.03942885	2.60	0.0967
MULCH*SEEDING	4	0.01257160	0.41	0.7960
SUBSTRA*MULCH*SEEDIN	1	0.01715092	2.26	0.1466

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THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	2	1 2

NUMBER OF OBSERVATIONS IN BY GROUP = 6

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THREE-WAY ANALYSIS OF VARIANCE FOR INVADED SPECIES
BY GROWTH FORMS

GR_FRM=SHRUBS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	4	0.00108446	0.00027112	0.60	0.7330	0.706593	90.9239
ERROR	1	0.00045032	0.00045032		STD DEV		ASPC MEAN
CORRECTED TOTAL	5	0.00153478			0.02122063		0.02333889

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00085431	1.90	0.3998
MULCH	2	0.00021346	0.24	0.8237
SEEDING	1	0.00001669	0.04	0.8789
SUBSTRAT*MULCH	0	0.00000000	.	.
SUBSTRAT*SEEDING	0	0.00000000	.	.
MULCH*SEEDING	0	0.00000000	.	.
SUBSTRA*MULCH*SEEDIN	0	0.00000000	.	.

Results of a three-way ANOVA comparing arcsine transformed coverage estimates for planted species encountered on experimental revegetation plot R-3 during 1980 (analyses correspond to those summarized on Table 6-26).

RIO BLANCO OIL SHALE COMPANY
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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=AGROPYRON SPECIES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 36

RIO BLANCO OIL SHALE COMPANY
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THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=AGROPYRON SPECIES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.31422721	0.01848395	1.93	0.0878	0.645973	24.0406
ERROR	18	0.17221330	0.00956741		STD DEV		ASPC MEAN
CORRECTED TOTAL	35	0.48644051			0.09781311		0.40686594

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00149925	0.16	0.6969
MULCH	2	0.04561796	2.38	0.1206
SEEDING	2	0.01736513	0.91	0.4212
SUBSTRAT*MULCH	2	0.00285623	0.15	0.8624
SUBSTRAT*SEEDING	2	0.04746413	2.48	0.1118
MULCH*SEEDING	4	0.06651799	1.74	0.1855
SUBSTRA*MULCH*SEEDIN	4	0.13290654	3.47	0.0286

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=AGROPYRON TRICHOPHORUM

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 35

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THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=AGROPYRON TRICHOPHORUM

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.26660683	0.01568275	12.20	0.0001	0.924254	21.3227
ERROR	17	0.02184940	0.00128526		STD DEV		ASPC MEAN
CORRECTED TOTAL	34	0.28845623			0.03585051		0.16813276

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00840088	6.54	0.0204
MULCH	2	0.00284813	1.11	0.3529
SEEDING	2	0.18447479	71.77	0.0001
SUBSTRAT*MULCH	2	0.01242490	4.83	0.0218
SUBSTRAT*SEEDING	2	0.04797932	18.67	0.0001
MULCH*SEEDING	4	0.00553502	1.08	0.3988
SUBSTRA*MULCH*SEEDIN	4	0.00494379	0.96	0.4536

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ASTRAGALUS CICER

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 35

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ASTRAGALUS CICER

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.23660424	0.01391790	2.76	0.0215	0.734301	58.0696
ERROR	17	0.08561276	0.00503604		STD DEV		ASPC MEAN
CORRECTED TOTAL	34	0.32221700			0.07096510		0.12220687

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.02537511	5.04	0.0384
MULCH	2	0.01481211	1.47	0.2576
SEEDING	2	0.05484128	5.44	0.0149
SUBSTRAT*MULCH	2	0.00591797	0.59	0.5666
SUBSTRAT*SEEDING	2	0.06879088	6.83	0.0067
MULCH*SEEDING	4	0.04615088	2.29	0.1018
SUBSTRA*MULCH*SEEDIN	4	0.02071601	1.03	0.4210

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THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ATRIPLEX CANESCENS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	2	2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 15

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ATRIPLEX CANESCENS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	10	0.00816984	0.00081698	0.77	0.6676	0.657020	108.7641
ERROR	4	0.00426485	0.00106621		STD DEV		ASPC MEAN
CORRECTED TOTAL	14	0.01243469			0.03265290		0.03002177

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00336944	3.16	0.1501
MULCH	2	0.00120470	0.56	0.6080
SEEDING	1	0.00017708	0.17	0.7045
SUBSTRAT*MULCH	2	0.00007358	0.03	0.9664
SUBSTRAT*SEEDING	1	0.00000827	0.01	0.9341
MULCH*SEEDING	2	0.00163604	0.77	0.5224
SUBSTRA*MULCH*SEEDIN	1	0.00170074	1.60	0.2752

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EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=BROMUS INERMIS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 36

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=BROMUS INERMIS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.02811240	0.00165367	1.75	0.1234	0.623563	55.1965
ERROR	18	0.01697111	0.00094284		STD DEV		ASPC MEAN
CORRECTED TOTAL	35	0.04508351			0.03070569		0.05562976

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00018157	0.19	0.6660
MULCH	2	0.00241404	1.28	0.3021
SEEDING	2	0.00286796	1.52	0.2453
SUBSTRAT*MULCH	2	0.00394275	2.09	0.1526
SUBSTRAT*SEEDING	2	0.00909581	4.82	0.0210
MULCH*SEEDING	4	0.00398519	1.06	0.4062
SUBSTRA*MULCH*SEEDIN	4	0.00562507	1.49	0.2464

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R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=CHRYSOTHAMNUS NAUSEOSUS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	2	1 2
SEEDING	1	1

NUMBER OF OBSERVATIONS IN BY GROUP = 4

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=CHRYSOTHAMNUS NAUSEOSUS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	2	0.00310556	0.00155278	0.18	0.8585	0.263055	62.9062
ERROR	1	0.00870016	0.00870016		STD DEV		ASPC MEAN
CORRECTED TOTAL	3	0.01180572			0.09327464		0.14827579

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00020550	0.02	0.9029
MULCH	1	0.00290005	0.33	0.6667
SEEDING	0	0.00000000	.	.
SUBSTRAT*MULCH	0	0.00000000	.	.
SUBSTRAT*SEEDING	0	0.00000000	.	.
MULCH*SEEDING	0	0.00000000	.	.
SUBSTRA*MULCH*SEEDIN	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=EUROTIA LANATA

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 28

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=EUROTIA LANATA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	15	0.15098154	0.01006544	2.45	0.0623	0.753858	66.6715
ERROR	12	0.04929686	0.00410807		STD DEV		ASPC MEAN
CORRECTED TOTAL	27	0.20027840			0.06409424		0.09613444

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.02111504	5.14	0.0427
MULCH	2	0.01875085	2.28	0.1446
SEEDING	2	0.00616211	0.75	0.4933
SUBSTRAT*MULCH	2	0.04859010	5.91	0.0163
SUBSTRAT*SEEDING	2	0.00941417	1.15	0.3504
MULCH*SEEDING	4	0.01465769	0.89	0.4982
SUBSTRA*MULCH*SEEDIN	2	0.03229159	3.93	0.0487

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-5 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=LINUM LEWISII

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 9

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=LINUM LEWISII

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	7	0.00010558	0.00001508	0.30	0.8886	0.678571	57.8589
ERROR	1	0.00005001	0.00005001		STD DEV		ASPC MEAN
CORRECTED TOTAL	8	0.00015559			0.00707189		0.01222265

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00003556	0.71	0.5540
MULCH	2	0.00002682	0.27	0.8068
SEEDING	2	0.00003550	0.35	0.7648
SUBSTRAT*MULCH	2	0.00000769	0.08	0.9309
SUBSTRAT*SEEDING	0	0.00000000	.	.
MULCH*SEEDING	0	0.00000000	.	.
SUBSTRA*MULCH*SEEDIN	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=MELILOTUS OFFICINALIS

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 10

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=MELILOTUS OFFICINALIS

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	6	0.00039023	0.00006504	0.30	0.9023	0.374995	92.0158
ERROR	3	0.00065040	0.00021680		STD DEV		ASPC MEAN
CORRECTED TOTAL	9	0.00104064			0.01472415		0.01600177

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00009005	0.42	0.5652
MULCH	2	0.00011370	0.26	0.7853
SEEDING	2	0.00018649	0.43	0.6851
SUBSTRAT*MULCH	1	0.00000000	0.00	1.0000
SUBSTRAT*SEEDING	0	0.00000000	.	.
MULCH*SEEDING	0	0.00000000	.	.
SUBSTRA*MULCH*SEEDIN	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ORYZOPSIS HYMENOIDES

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 36

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=ORYZOPSIS HYMENOIDES

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	17	0.06254226	0.00367896	2.73	0.0204	0.720876	36.5745
ERROR	18	0.02421647	0.00134536		STD DEV		ASPC MEAN
CORRECTED TOTAL	35	0.08675873			0.03667914		0.10028614

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00189899	1.41	0.2502
MULCH	2	0.01413523	5.25	0.0160
SEEDING	2	0.03433339	12.76	0.0004
SUBSTRAT*MULCH	2	0.00239685	0.89	0.4277
SUBSTRAT*SEEDING	2	0.00229311	0.85	0.4430
MULCH*SEEDING	4	0.00083358	0.15	0.9583
SUBSTRA*MULCH*SEEDIN	4	0.00665113	1.24	0.3309

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=PURSHIA TRIDENTATA

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 15

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=PURSHIA TRIDENTATA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	11	0.00092391	0.00008399	1.01	0.5679	0.786971	59.5414
ERROR	3	0.00025010	0.00008337		STD DEV		ASPC MEAN
CORRECTED TOTAL	14	0.00117401			0.00913051		0.01533472

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00000111	0.01	0.9155
MULCH	2	0.00016381	0.98	0.4697
SEEDING	2	0.00002641	0.16	0.8602
SUBSTRAT*MULCH	2	0.00012158	0.73	0.5520
SUBSTRAT*SEEDING	2	0.00057600	3.45	0.1666
MULCH*SEEDING	2	0.00003501	0.21	0.8216
SUBSTRA*MULCH*SEEDIN	0	0.00000000	.	.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=STIPA VIRIDULA

GENERAL LINEAR MODELS PROCEDURE

CLASS LEVEL INFORMATION

CLASS	LEVELS	VALUES
SUBSTRAT	2	1 2
MULCH	3	1 2 3
SEEDING	3	1 2 3

NUMBER OF OBSERVATIONS IN BY GROUP = 23

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
R-3 - 1980

THREE-WAY ANALYSIS OF VARIANCE BY SPECIES

SPECIES=STIPA VIRIDULA

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: ASPC

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	12	0.01825716	0.00152143	2.37	0.0909	0.739554	48.5504
ERROR	10	0.00642957	0.00064296		STD DEV		ASPC MEAN
CORRECTED TOTAL	22	0.02468674			0.02535660		0.05222738

SOURCE	DF	TYPE I SS	F VALUE	PR > F
SUBSTRAT	1	0.00434895	6.76	0.0265
MULCH	2	0.00387528	3.01	0.0946
SEEDING	2	0.00446809	3.47	0.0715
SUBSTRAT*MULCH	2	0.00022061	0.17	0.8448
SUBSTRAT*SEEDING	1	0.00001026	0.02	0.9020
MULCH*SEEDING	3	0.00140302	0.73	0.5586
SUBSTRA*MULCH*SEEDIN	1	0.00393095	6.11	0.0330

APPENDIX 6-2.5

Soils Data Collected During 1980 for
Experimental Revegetation Plot R-3

Substrate 1 represents the control (no processed shale) and 2 the treatment (processed shale) portion of Plot R-3. Sampling depths are in centimeters, CEC in Meq/100 g, salt in Mmhos/cm, Na in Meq/100 g, lime in %, OM in %, Org N in lbs, and all other constituents in ppm. Texture (LOSN) represents loamy sand.

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SOIL CHEMISTRY DATA FOR R-3, 1980

OBS	SUBSTRAT	DEPTH	TEXTURE	PHH2O	PHBUF	CEC	SALT	NA	LIME	OM	ORG	NO3	P	K	CA	MG	S	B	ZN	FE	MN	CU	AS	F	MO	SE
1	1	0	LOSN	8.3	7	8.7	1.2	0.3	5.9	2.0	60.0	38	13	50	2000	90	1	0.9	0.3	49.0	38.0	0.6	1.54	0.3	1.1	0.02
2	1	0	LOSN	8.2	7	10.3	1.1	0.4	6.1	2.4	60.0	29	23	120	2800	170	4	1.1	0.3	48.0	36.0	0.7	1.46	0.5	0.6	0.02
3	1	0	LOSN	8.2	7	9.4	1.1	0.4	5.6	2.3	60.0	61	17	60	2200	120	10	0.8	0.2	2.5	0.7	0.5	1.21	0.6	0.7	0.02
4	1	0	LOSN	8.3	7	9.3	1.0	0.5	5.6	2.3	60.0	38	11	70	2700	160	1	0.8	0.2	3.8	0.8	0.5	1.28	0.4	1.0	0.03
5	1	0	LOSN	8.2	7	9.4	1.2	0.5	6.5	2.1	60.0	47	18	80	2400	160	1	0.8	0.2	2.5	0.7	0.3	0.96	0.6	0.9	0.03
6	1	0	LOSN	8.3	7	10.1	0.9	0.4	6.6	2.5	60.0	24	19	60	2400	140	82	1.8	0.2	3.1	0.9	0.4	0.73	0.4	0.9	0.02
7	1	25	LOSN	8.9	7	8.3	1.5	1.2	4.4	1.5	52.5	66	9	40	2200	180	19	0.8	0.2	57.0	43.0	0.4	1.92	0.7	0.6	0.04
8	1	25	LOSN	9.2	7	7.0	1.6	2.6	4.1	1.0	35.0	83	3	40	2000	190	3	0.6	1.5	39.0	25.0	1.6	2.39	0.9	0.5	0.04
9	1	25	LOSN	8.8	7	8.8	1.1	0.9	5.8	2.0	60.0	48	5	30	2400	140	46	0.9	0.5	15.0	4.0	0.4	1.34	0.3	0.9	0.03
10	1	25	LOSN	8.7	7	8.9	1.1	0.9	6.4	1.9	60.0	31	11	30	2800	150	29	0.9	0.3	9.5	2.4	0.4	1.36	0.6	0.5	0.02
11	1	25	LOSN	8.8	7	8.9	0.9	0.9	6.3	1.9	60.0	32	7	30	2600	150	1	1.5	0.3	5.3	1.0	0.3	0.92	0.5	0.9	0.01
12	1	25	LOSN	8.7	7	9.4	1.0	0.8	6.7	2.1	60.0	21	7	30	2600	150	53	1.6	0.4	4.2	1.0	0.4	0.76	0.3	0.8	0.02
13	1	50	LOSN	9.2	7	6.4	2.7	4.1	3.8	0.5	17.5	96	1	30	1600	220	53	0.4	0.2	37.0	24.0	0.4	4.04	1.6	1.1	0.07
14	1	50	LOSN	9.4	7	6.6	2.2	3.6	4.3	0.8	28.0	96	2	40	2000	230	18	0.6	0.3	57.0	42.0	0.7	2.13	0.8	1.0	0.04
15	1	50	LOSN	9.3	7	7.0	2.5	3.4	3.8	0.9	31.5	80	1	30	2000	250	189	0.6	0.5	14.0	6.2	0.4	3.40	0.0	0.7	0.05
16	1	50	LOSN	9.1	7	8.4	1.8	2.5	5.1	1.5	52.5	54	1	30	2300	220	35	0.9	0.4	11.0	5.4	0.4	1.37	0.7	0.5	0.04
17	1	50	LOSN	9.2	7	7.7	1.2	2.0	5.0	1.1	38.5	45	1	30	2300	200	1	1.1	0.4	4.7	1.3	0.3	1.14	0.5	0.5	0.02
18	1	50	LOSN	9.2	7	6.8	1.7	2.4	5.3	1.0	35.0	38	1	40	2100	210	12	1.3	0.4	16.0	6.1	0.4	1.39	0.5	0.9	0.03
19	2	0	LOSN	7.9	7	8.3	2.6	0.7	4.9	1.9	60.0	37	11	80	2300	130	3	0.7	0.8	45.0	34.0	0.6	2.24	0.9	0.5	0.05
20	2	0	LOSN	8.4	7	7.5	1.1	0.6	4.4	1.4	49.0	33	11	70	2400	160	1	0.7	0.3	61.0	44.0	0.6	1.31	0.5	1.1	0.02
21	2	0	LOSN	8.2	7	9.8	1.0	0.4	5.7	2.2	60.0	41	11	60	2500	150	1	1.0	0.2	3.3	1.1	0.5	1.38	0.4	0.7	0.03
22	2	0	LOSN	8.3	7	9.4	1.2	0.5	5.4	2.1	60.0	56	12	80	2300	140	14	0.6	0.2	8.6	2.3	0.4	1.04	0.6	1.0	0.03
23	2	0	LOSN	8.1	7	10.2	1.0	0.4	6.1	2.5	60.0	36	20	80	2600	160	1	1.1	0.2	3.3	0.9	0.4	0.78	0.3	0.9	0.03
24	2	0	LOSN	8.2	7	10.4	1.0	0.4	5.9	2.5	60.0	28	18	110	2300	150	1	0.9	0.1	2.4	0.9	0.3	0.96	0.4	0.6	0.03
25	2	25	LOSN	9.1	7	6.1	2.5	3.7	3.3	0.8	28.0	86	3	40	2100	290	1	0.4	6.3	55.0	40.0	0.6	1.91	1.2	0.6	0.05
26	2	25	LOSN	9.0	7	6.7	1.5	2.5	4.1	0.9	31.5	68	3	40	2200	300	44	0.7	0.2	55.0	42.0	0.5	1.97	0.9	0.8	0.04
27	2	25	LOSN	8.8	7	8.2	1.2	1.1	4.6	1.6	56.0	45	10	30	2600	200	1	0.8	0.4	7.1	1.7	0.3	0.88	0.4	0.8	0.02
28	2	25	LOSN	8.6	7	8.7	0.9	0.8	5.6	1.8	60.0	40	6	40	2400	150	1	1.1	0.5	8.8	2.2	0.4	0.92	0.5	0.9	0.03
29	2	25	LOSN	8.7	7	8.9	0.9	0.7	5.7	2.0	60.0	27	9	40	2600	160	20	1.6	0.3	4.5	1.1	0.3	0.90	0.4	0.8	0.02
30	2	25	LOSN	8.7	7	8.3	0.9	0.8	5.7	1.9	60.0	24	6	40	2600	180	1	1.5	0.5	15.0	3.7	0.3	1.16	0.3	0.7	0.02
31	2	50	LOSN	8.9	7	6.9	2.4	3.4	3.7	0.9	31.5	77	3	40	2400	270	39	0.5	1.0	58.0	41.0	0.4	3.16	1.2	0.7	0.03
32	2	50	LOSN	9.2	7	6.6	1.8	3.5	3.2	0.6	21.0	80	1	40	2000	280	1	0.4	0.2	57.0	41.0	0.5	1.64	0.7	0.5	0.05
33	2	50	LOSN	9.3	7	7.1	1.5	2.8	3.5	0.8	28.0	74	1	30	2000	230	1	0.7	0.3	10.0	3.8	0.2	2.01	0.6	1.0	0.03
34	2	50	LOSN	9.2	7	7.0	1.7	2.3	3.4	0.9	31.5	54	1	30	2500	210	18	0.9	0.3	11.0	4.3	0.2	1.40	0.9	0.5	0.03
35	2	50	LOSN	9.0	7	6.9	1.1	1.5	5.9	1.1	38.5	40	5	30	2400	200	1	1.3	0.2	11.0	4.1	0.2	0.95	0.6	0.5	0.03
36	2	50	LOSN	9.1	7	7.2	1.5	1.9	5.3	1.3	45.5	34	1	30	2300	200	1	1.2	0.3	15.0	6.9	0.3	1.76	0.7	0.9	0.04

APPENDIX 6-2.6

Analyses for Soil Data Collected During 1980
on Experimental Revegetation Plot R-3

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SOILS DATA FOR R-S, 1980

DEPTH=0

TTEST PROCEDURE

VARIABLE: PHH2O

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	8.25000000	0.05477226	0.02236068	8.20000000	8.30000000	UNEQUAL	0.9035	6.0	0.4011
2	6	8.18333333	0.17224014	0.07031674	7.90000000	8.40000000	EQUAL	0.9035	10.0	0.3875

FOR HO: VARIANCES ARE EQUAL, F'= 9.89 WITH 5 AND 5 DF PROB > F'= 0.0251

VARIABLE: PHBUF

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	7.00000000	0	0	7.00000000	7.00000000	UNEQUAL	.	.	.
2	6	7.00000000	0	0	7.00000000	7.00000000	EQUAL	.	10.0	.

NOTE: ALL VALUES ARE THE SAME FOR ONE CLASS LEVEL.

VARIABLE: CEC

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	9.53333333	0.58195074	0.23758040	8.70000000	10.30000000	UNEQUAL	0.5099	7.4	0.6250
2	6	9.26666667	1.14134424	0.46595183	7.50000000	10.40000000	EQUAL	0.5099	10.0	0.6212

FOR HO: VARIANCES ARE EQUAL, F'= 3.85 WITH 5 AND 5 DF PROB > F'= 0.1656

VARIABLE: SALI

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.08333333	0.11690452	0.04772607	0.90000000	1.20000000	UNEQUAL	-0.8869	5.3	0.4136
2	6	1.31666667	0.63377178	0.25873624	1.00000000	2.60000000	EQUAL	-0.8869	10.0	0.3960

RIO BLANCO OIL SHALE COMPANY
EXPERIMENTAL REVEGETATION STUDIES PROGRAM
SOILS DATA FOR R-3, 1980

DEPTH=0

TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 29.39 WITH 5 AND 5 DF PROB > F'= 0.0021

VARIABLE: NA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.41666667	0.07527727	0.03073181	0.30000000	0.50000000	UNEQUAL	-1.3868	8.1	0.2023
2	6	0.50000000	0.12649111	0.05163978	0.40000000	0.70000000	EQUAL	-1.3868	10.0	0.1957

FOR HO: VARIANCES ARE EQUAL, F'= 2.82 WITH 5 AND 5 DF PROB > F'= 0.2792

VARIABLE: LIME

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	6.05000000	0.43243497	0.17654084	5.60000000	6.60000000	UNEQUAL	2.0504	8.7	0.0716
2	6	5.40000000	0.64498062	0.26331224	4.40000000	6.10000000	EQUAL	2.0504	10.0	0.0675

FOR HO: VARIANCES ARE EQUAL, F'= 2.22 WITH 5 AND 5 DF PROB > F'= 0.4008

VARIABLE: OM

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2.26666667	0.18618987	0.07601170	2.00000000	2.50000000	UNEQUAL	0.8980	6.9	0.3993
2	6	2.10000000	0.41472883	0.16931233	1.40000000	2.50000000	EQUAL	0.8980	10.0	0.3903

FOR HO: VARIANCES ARE EQUAL, F'= 4.96 WITH 5 AND 5 DF PROB > F'= 0.1035

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DEPTH=0

TTEST PROCEDURE

VARIABLE: ORG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	60.00000000	0.00000000	0.00000000	60.00000000	60.00000000	UNEQUAL	1.0000	5.0	0.3632
2	6	58.16666667	4.49073120	1.83333333	49.00000000	60.00000000	EQUAL	1.0000	10.0	0.3409

NOTE: ALL VALUES ARE THE SAME FOR ONE CLASS LEVEL.

VARIABLE: NO3

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	39.50000000	13.21741276	5.39598616	24.00000000	61.00000000	UNEQUAL	0.1499	9.1	0.8841
2	6	38.50000000	9.60728890	3.92215927	28.00000000	56.00000000	EQUAL	0.1499	10.0	0.8838

FOR HO: VARIANCES ARE EQUAL, F'= 1.89 WITH 5 AND 5 DF PROB > F'= 0.5007

VARIABLE: P

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	16.83333333	4.30890551	1.75910331	11.00000000	23.00000000	UNEQUAL	1.2398	10.0	0.2435
2	6	13.83333333	4.07021703	1.66165914	11.00000000	20.00000000	EQUAL	1.2398	10.0	0.2434

FOR HO: VARIANCES ARE EQUAL, F'= 1.12 WITH 5 AND 5 DF PROB > F'= 0.9035

VARIABLE: K

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	73.33333333	25.03331114	10.21980648	50.00000000	120.00000000	UNEQUAL	-0.5423	8.7	0.6012
2	6	80.00000000	16.73320053	6.83130051	60.00000000	110.00000000	EQUAL	-0.5423	10.0	0.5995

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DEPTH=0

TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 2.24 WITH 5 AND 5 DF PROB > F'= 0.3973

VARIABLE: CA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2416.6666667	299.44392909	122.24747214	2000.0000000	2800.0000000	UNEQUAL	0.1256	6.7	0.9037
2	6	2400.0000000	126.49110641	51.63977795	2300.0000000	2600.0000000	EQUAL	0.1256	10.0	0.9025

FOR HO: VARIANCES ARE EQUAL, F'= 5.60 WITH 5 AND 5 DF PROB > F'= 0.0817

VARIABLE: MG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	140.00000000	30.33150178	12.38278375	90.00000000	170.00000000	UNEQUAL	-0.6280	6.5	0.5517
2	6	148.33333333	11.69045194	4.77260702	130.00000000	160.00000000	EQUAL	-0.6280	10.0	0.5441

FOR HO: VARIANCES ARE EQUAL, F'= 6.73 WITH 5 AND 5 DF PROB > F'= 0.0565

VARIABLE: S

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	16.50000000	32.27847580	13.17763256	1.00000000	82.00000000	UNEQUAL	0.9739	5.3	0.3730
2	6	3.50000000	5.20576603	2.12524508	1.00000000	14.00000000	EQUAL	0.9739	10.0	0.3531

FOR HO: VARIANCES ARE EQUAL, F'= 38.45 WITH 5 AND 5 DF PROB > F'= 0.0011

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DEPTH=0

TTEST PROCEDURE

VARIABLE: B

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.03333333	0.39327683	0.16055459	0.80000000	1.80000000	UNEQUAL	1.1142	7.4	0.3004
2	6	0.83333333	0.19663842	0.08027730	0.60000000	1.10000000	EQUAL	1.1142	10.0	0.2913

FOR HO: VARIANCES ARE EQUAL, F'= 4.00 WITH 5 AND 5 DF PROB > F'= 0.1544

VARIABLE: ZN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.23333333	0.05163978	0.02108185	0.20000000	0.30000000	UNEQUAL	-0.6325	5.4	0.5530
2	6	0.30000000	0.25298221	0.10327956	0.10000000	0.80000000	EQUAL	-0.6325	10.0	0.5413

FOR HO: VARIANCES ARE EQUAL, F'= 24.00 WITH 5 AND 5 DF PROB > F'= 0.0033

VARIABLE: FE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	18.15000000	23.51601582	9.60037326	2.50000000	49.00000000	UNEQUAL	-0.1723	9.9	0.8667
2	6	20.60000000	25.69568057	10.49021767	2.40000000	61.00000000	EQUAL	-0.1723	10.0	0.8666

FOR HO: VARIANCES ARE EQUAL, F'= 1.19 WITH 5 AND 5 DF PROB > F'= 0.8505

VARIABLE: MN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	12.85000000	18.71734490	7.64132406	0.70000000	38.00000000	UNEQUAL	-0.0916	10.0	0.9289
2	6	13.86666667	19.73024751	8.05483981	0.90000000	44.00000000	EQUAL	-0.0916	10.0	0.9288

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DEPTH=0

TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 1.11 WITH 5 AND 5 DF PROB > F'= 0.9107

VARIABLE: CU

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.50000000	0.14142136	0.05773503	0.30000000	0.70000000	UNEQUAL	0.4385	9.8	0.6706
2	6	0.46666667	0.12110601	0.04944132	0.30000000	0.60000000	EQUAL	0.4385	10.0	0.6703

FOR HO: VARIANCES ARE EQUAL, F'= 1.36 WITH 5 AND 5 DF PROB > F'= 0.7419

VARIABLE: AS

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.19666667	0.30598475	0.12491775	0.73000000	1.54000000	UNEQUAL	-0.3596	8.1	0.7284
2	6	1.28500000	0.51814091	0.21153014	0.78000000	2.24000000	EQUAL	-0.3596	10.0	0.7266

FOR HO: VARIANCES ARE EQUAL, F'= 2.87 WITH 5 AND 5 DF PROB > F'= 0.2724

VARIABLE: F

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.46666667	0.12110601	0.04944132	0.30000000	0.60000000	UNEQUAL	-0.4986	7.9	0.6316
2	6	0.51666667	0.21369761	0.08724168	0.30000000	0.90000000	EQUAL	-0.4986	10.0	0.6288

FOR HO: VARIANCES ARE EQUAL, F'= 3.11 WITH 5 AND 5 DF PROB > F'= 0.2382

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DEPTH=0

TTEST PROCEDURE

VARIABLE: MO

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.86666667	0.18618987	0.07601170	0.60000000	1.10000000	UNEQUAL	0.5423	9.5	0.6001
2	6	0.80000000	0.23664319	0.09660918	0.50000000	1.10000000	EQUAL	0.5423	10.0	0.5995

FOR HO: VARIANCES ARE EQUAL, F'= 1.62 WITH 5 AND 5 DF PROB > F'= 0.6115

VARIABLE: SE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.02333333	0.00516398	0.00210819	0.02000000	0.03000000	UNEQUAL	-1.8380	7.6	0.1057
2	6	0.03166667	0.00983192	0.00401386	0.02000000	0.05000000	EQUAL	-1.8380	10.0	0.0959

FOR HO: VARIANCES ARE EQUAL, F'= 3.62 WITH 5 AND 5 DF PROB > F'= 0.1838

DEPTH=25

VARIABLE: PHH2O

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	8.85000000	0.18708287	0.07637626	8.70000000	9.20000000	UNEQUAL	0.3029	10.0	0.7682
2	6	8.81666667	0.19407902	0.07923243	8.60000000	9.10000000	EQUAL	0.3029	10.0	0.7682

FOR HO: VARIANCES ARE EQUAL, F'= 1.08 WITH 5 AND 5 DF PROB > F'= 0.9377

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DEPTH=25

TTEST PROCEDURE

VARIABLE: PHBUF

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	7.00000000	0	0	7.00000000	7.00000000	UNEQUAL	.	.	.
2	6	7.00000000	0	0	7.00000000	7.00000000	EQUAL	.	10.0	.

NOTE: ALL VALUES ARE THE SAME FOR ONE CLASS LEVEL.

VARIABLE: CEC

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	8.55000000	0.83606220	0.34132096	7.00000000	9.40000000	UNEQUAL	1.2687	9.2	0.2359
2	6	7.81666667	1.14265772	0.46648806	6.10000000	8.90000000	EQUAL	1.2687	10.0	0.2333

FOR HO: VARIANCES ARE EQUAL, F'= 1.87 WITH 5 AND 5 DF PROB > F'= 0.5094

VARIABLE: SALT

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.20000000	0.28284271	0.11547005	0.90000000	1.60000000	UNEQUAL	-0.4152	7.0	0.6905
2	6	1.31666667	0.62742861	0.25614666	0.90000000	2.50000000	EQUAL	-0.4152	10.0	0.6867

FOR HO: VARIANCES ARE EQUAL, F'= 4.92 WITH 5 AND 5 DF PROB > F'= 0.1051

VARIABLE: NA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.21666667	0.69113433	0.28215441	0.80000000	2.60000000	UNEQUAL	-0.6657	7.9	0.5247
2	6	1.60000000	1.22963409	0.50199602	0.70000000	3.70000000	EQUAL	-0.6657	10.0	0.5207

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DEPTH=25

TTEST PROCEDURE

FOR H0: VARIANCES ARE EQUAL, F'= 3.17 WITH 5 AND 5 DF PROB > F'= 0.2317

VARIABLE: LIME

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	5.61666667	1.10166541	0.44975302	4.10000000	6.70000000	UNEQUAL	1.2877	9.9	0.2271
2	6	4.83333333	1.00332780	0.40960686	3.30000000	5.70000000	EQUAL	1.2877	10.0	0.2269

FOR H0: VARIANCES ARE EQUAL, F'= 1.21 WITH 5 AND 5 DF PROB > F'= 0.8424

VARIABLE: OM

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.73333333	0.41311822	0.16865481	1.00000000	2.10000000	UNEQUAL	0.8590	9.5	0.4115
2	6	1.50000000	0.52153619	0.21291626	0.80000000	2.00000000	EQUAL	0.8590	10.0	0.4104

FOR H0: VARIANCES ARE EQUAL, F'= 1.59 WITH 5 AND 5 DF PROB > F'= 0.6215

VARIABLE: ORG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	54.58333333	10.05194840	4.10369075	35.00000000	60.00000000	UNEQUAL	0.7161	8.7	0.4928
2	6	49.25000000	15.22415843	6.21523665	28.00000000	60.00000000	EQUAL	0.7161	10.0	0.4903

FOR H0: VARIANCES ARE EQUAL, F'= 2.29 WITH 5 AND 5 DF PROB > F'= 0.3834

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DEPTH=25

TTEST PROCEDURE

VARIABLE: NO3

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	46.83333333	23.72691861	9.68647396	21.00000000	83.00000000	UNEQUAL	-0.1084	10.0	0.9159
2	6	48.33333333	24.22120283	9.88826465	24.00000000	86.00000000	EQUAL	-0.1084	10.0	0.9159

FOR HO: VARIANCES ARE EQUAL, F'= 1.04 WITH 5 AND 5 DF PROB > F'= 0.9650

VARIABLE: P

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	7.00000000	2.82842712	1.15470054	3.00000000	11.00000000	UNEQUAL	0.5015	10.0	0.6269
2	6	6.16666667	2.92688686	1.19489656	3.00000000	10.00000000	EQUAL	0.5015	10.0	0.6269

FOR HO: VARIANCES ARE EQUAL, F'= 1.07 WITH 5 AND 5 DF PROB > F'= 0.9420

VARIABLE: K

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	33.33333333	5.16397779	2.10818511	30.00000000	40.00000000	UNEQUAL	-1.8605	9.5	0.0941
2	6	38.33333333	4.08248290	1.66666667	30.00000000	40.00000000	EQUAL	-1.8605	10.0	0.0924

FOR HO: VARIANCES ARE EQUAL, F'= 1.60 WITH 5 AND 5 DF PROB > F'= 0.6186

VARIABLE: CA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2433.333333	294.39202888	120.18504252	2000.0000000	2800.0000000	UNEQUAL	0.1106	9.3	0.9143
2	6	2416.666667	222.86019534	90.96229376	2100.0000000	2600.0000000	EQUAL	0.1106	10.0	0.9141

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DEPTH=25

TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 1.74 WITH 5 AND 5 DF PROB > F'= 0.5560

VARIABLE: MG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	160.00000000	20.00000000	8.16496581	140.00000000	190.00000000	UNEQUAL	-1.9042	5.9	0.1063
2	6	213.33333333	65.62519841	26.79137506	150.00000000	300.00000000	EQUAL	-1.9042	10.0	0.0860

FOR HO: VARIANCES ARE EQUAL, F'= 10.77 WITH 5 AND 5 DF PROB > F'= 0.0208

VARIABLE: S

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	25.16666667	21.61866478	8.82578294	1.00000000	53.00000000	UNEQUAL	1.2123	9.6	0.2544
2	6	11.33333333	17.71628253	7.23264206	1.00000000	44.00000000	EQUAL	1.2123	10.0	0.2533

FOR HO: VARIANCES ARE EQUAL, F'= 1.49 WITH 5 AND 5 DF PROB > F'= 0.6728

VARIABLE: B

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.05000000	0.40373258	0.16482314	0.60000000	1.60000000	UNEQUAL	0.1316	9.8	0.8979
2	6	1.01666667	0.47081490	0.19220938	0.40000000	1.60000000	EQUAL	0.1316	10.0	0.8979

FOR HO: VARIANCES ARE EQUAL, F'= 1.36 WITH 5 AND 5 DF PROB > F'= 0.7441

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DEPTH=25

TTEST PROCEDURE

VARIABLE: ZN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.53333333	0.48442406	0.19776529	0.20000000	1.50000000	UNEQUAL	-0.8272	5.4	0.4434
2	6	1.36666667	2.41964185	0.98781465	0.20000000	6.30000000	EQUAL	-0.8272	10.0	0.4274

FOR HO: VARIANCES ARE EQUAL, F'= 24.95 WITH 5 AND 5 DF PROB > F'= 0.0030

VARIABLE: FE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	21.66666667	21.51424334	8.78315307	4.20000000	57.00000000	UNEQUAL	-0.1947	9.9	0.8496
2	6	24.25333333	24.08141746	9.83119751	4.50000000	55.00000000	EQUAL	-0.1947	10.0	0.8495

FOR HO: VARIANCES ARE EQUAL, F'= 1.25 WITH 5 AND 5 DF PROB > F'= 0.8106

VARIABLE: MN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	12.73333333	17.46386746	7.12959404	1.00000000	43.00000000	UNEQUAL	-0.2194	9.8	0.8309
2	6	15.11666667	20.07759116	8.19664227	1.10000000	42.00000000	EQUAL	-0.2194	10.0	0.8308

FOR HO: VARIANCES ARE EQUAL, F'= 1.32 WITH 5 AND 5 DF PROB > F'= 0.7670

VARIABLE: CU

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.58333333	0.49966656	0.20398802	0.30000000	1.60000000	UNEQUAL	0.8713	5.6	0.4194
2	6	0.40000000	0.12649111	0.05163978	0.30000000	0.60000000	EQUAL	0.8713	10.0	0.4040

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TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 15.60 WITH 5 AND 5 DF PROB > F'= 0.0091

VARIABLE: AS

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.44833333	0.61346285	0.25044516	0.76000000	2.39000000	UNEQUAL	0.4846	9.7	0.6387
2	6	1.29000000	0.51396498	0.20982532	0.88000000	1.97000000	EQUAL	0.4846	10.0	0.6384

FOR HO: VARIANCES ARE EQUAL, F'= 1.42 WITH 5 AND 5 DF PROB > F'= 0.7072

VARIABLE: F

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.55000000	0.23452079	0.09574271	0.30000000	0.90000000	UNEQUAL	-0.3842	8.7	0.7101
2	6	0.61666667	0.35449495	0.14472196	0.30000000	1.20000000	EQUAL	-0.3842	10.0	0.7089

FOR HO: VARIANCES ARE EQUAL, F'= 2.28 WITH 5 AND 5 DF PROB > F'= 0.3856

VARIABLE: MO

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.70000000	0.18973666	0.07745967	0.50000000	0.90000000	UNEQUAL	-0.7559	7.7	0.4722
2	6	0.76666667	0.10327956	0.04216370	0.60000000	0.90000000	EQUAL	-0.7559	10.0	0.4671

FOR HO: VARIANCES ARE EQUAL, F'= 3.37 WITH 5 AND 5 DF PROB > F'= 0.2080

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TTEST PROCEDURE

VARIABLE: SE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.02666667	0.01211060	0.00494413	0.01000000	0.04000000	UNEQUAL	-0.4663	10.0	0.6510
2	6	0.03000000	0.01264911	0.00516398	0.02000000	0.05000000	EQUAL	-0.4663	10.0	0.6510

FOR H0: VARIANCES ARE EQUAL, F'= 1.09 WITH 5 AND 5 DF PROB > F'= 0.9263

---------- DEPTH=50 ----------

VARIABLE: PHH2O

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	9.23333333	0.10327956	0.04216370	9.10000000	9.40000000	UNEQUAL	1.5893	9.0	0.1466
2	6	9.11666667	0.14719601	0.06009252	8.90000000	9.30000000	EQUAL	1.5893	10.0	0.1431

FOR H0: VARIANCES ARE EQUAL, F'= 2.03 WITH 5 AND 5 DF PROB > F'= 0.4553

VARIABLE: PHRUF

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	7.00000000	0	0	7.00000000	7.00000000	UNEQUAL	.	.	.
2	6	7.00000000	0	0	7.00000000	7.00000000	EQUAL	.	10.0	.

NOTE: ALL VALUES ARE THE SAME FOR ONE CLASS LEVEL.

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DEPTH=50

TTEST PROCEDURE

VARIABLE: CEC

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	7.15000000	0.75828754	0.30956959	6.40000000	8.40000000	UNEQUAL	0.6232	5.7	0.5572
2	6	6.95000000	0.20736441	0.08465617	6.60000000	7.20000000	EQUAL	0.6232	10.0	0.5471

FOR HO: VARIANCES ARE EQUAL, F'= 13.37 WITH 5 AND 5 DF PROB > F'= 0.0129

VARIABLE: SALT

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2.01666667	0.55647701	0.22718079	1.20000000	2.70000000	UNEQUAL	1.2169	9.4	0.2533
2	6	1.66666667	0.43204938	0.17638342	1.10000000	2.40000000	EQUAL	1.2169	10.0	0.2516

FOR HO: VARIANCES ARE EQUAL, F'= 1.66 WITH 5 AND 5 DF PROB > F'= 0.5921

VARIABLE: NA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	3.00000000	0.81731267	0.33366650	2.00000000	4.10000000	UNEQUAL	0.9229	10.0	0.3778
2	6	2.56666667	0.80911474	0.33031971	1.50000000	3.50000000	EQUAL	0.9229	10.0	0.3778

FOR HO: VARIANCES ARE EQUAL, F'= 1.02 WITH 5 AND 5 DF PROB > F'= 0.9829

VARIABLE: LIME

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	4.55000000	0.67156534	0.27416540	3.80000000	5.30000000	UNEQUAL	0.7107	8.1	0.4972
2	6	4.16666667	1.13763420	0.46451887	3.20000000	5.90000000	EQUAL	0.7107	10.0	0.4935

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TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 2.87 WITH 5 AND 5 DF PROB > F'= 0.2719

VARIABLE: OM

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.96666667	0.33266600	0.13581033	0.50000000	1.50000000	UNEQUAL	0.1984	9.1	0.8471
2	6	0.93333333	0.24221203	0.09888265	0.60000000	1.30000000	EQUAL	0.1984	10.0	0.8467

FOR HO: VARIANCES ARE EQUAL, F'= 1.89 WITH 5 AND 5 DF PROB > F'= 0.5029

VARIABLE: ORG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	33.83333333	11.64330995	4.75336138	17.50000000	52.50000000	UNEQUAL	0.1984	9.1	0.8471
2	6	32.66666667	8.47742099	3.46089263	21.00000000	45.50000000	EQUAL	0.1984	10.0	0.8467

FOR HO: VARIANCES ARE EQUAL, F'= 1.89 WITH 5 AND 5 DF PROB > F'= 0.5029

VARIABLE: NO3

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	68.16666667	25.83344086	10.54645807	38.00000000	96.00000000	UNEQUAL	0.6250	9.4	0.5469
2	6	59.83333333	19.98416039	8.15849932	34.00000000	80.00000000	EQUAL	0.6250	10.0	0.5460

FOR HO: VARIANCES ARE EQUAL, F'= 1.67 WITH 5 AND 5 DF PROB > F'= 0.5868

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DEPTH=50

TTEST PROCEDURE

VARIABLE: P

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	1.16666667	0.40824829	0.16666667	1.00000000	2.00000000	UNEQUAL	-1.1851	5.6	0.2842
2	6	2.00000000	1.67332005	0.68313005	1.00000000	5.00000000	EQUAL	-1.1851	10.0	0.2634

FOR HO: VARIANCES ARE EQUAL, F'= 16.80 WITH 5 AND 5 DF PROB > F'= 0.0076

VARIABLE: K

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	33.33333333	5.16397779	2.10818511	30.00000000	40.00000000	UNEQUAL	0.0000	10.0	1.0000
2	6	33.33333333	5.16397779	2.10818511	30.00000000	40.00000000	EQUAL	0.0000	10.0	1.0000

FOR HO: VARIANCES ARE EQUAL, F'= 1.00 WITH 5 AND 5 DF PROB > F'= 1.0000

VARIABLE: CA

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2050.0000000	258.84358211	105.67244989	1600.0000000	2300.0000000	UNEQUAL	-1.5742	9.7	0.1476
2	6	2266.6666667	216.02468995	88.19171037	2000.0000000	2500.0000000	EQUAL	-1.5742	10.0	0.1465

FOR HO: VARIANCES ARE EQUAL, F'= 1.44 WITH 5 AND 5 DF PROB > F'= 0.7011

VARIABLE: MG

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	221.66666667	17.22401424	7.03167437	200.00000000	250.00000000	UNEQUAL	-0.6215	7.2	0.5534
2	6	231.66666667	35.44949459	14.47219556	200.00000000	280.00000000	EQUAL	-0.6215	10.0	0.5482

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FOR HO: VARIANCES ARE EQUAL, F'= 4.24 WITH 5 AND 5 DF PROB > F'= 0.1391

VARIABLE: S

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	48.00000000	70.25667228	28.68216635	1.00000000	189.00000000	UNEQUAL	1.2874	5.5	0.2499
2	6	10.16666667	15.67694698	6.40008680	1.00000000	39.00000000	EQUAL	1.2874	10.0	0.2270

FOR HO: VARIANCES ARE EQUAL, F'= 20.08 WITH 5 AND 5 DF PROB > F'= 0.0051

VARIABLE: B

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.81666667	0.34302575	0.14003968	0.40000000	1.30000000	UNEQUAL	-0.0813	10.0	0.9368
2	6	0.83333333	0.36696957	0.14981470	0.40000000	1.30000000	EQUAL	-0.0813	10.0	0.9368

FOR HO: VARIANCES ARE EQUAL, F'= 1.14 WITH 5 AND 5 DF PROB > F'= 0.8859

VARIABLE: ZN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.36666667	0.10327956	0.04216370	0.20000000	0.50000000	UNEQUAL	-0.1264	6.1	0.9035
2	6	0.38333333	0.30605010	0.12494443	0.20000000	1.00000000	EQUAL	-0.1264	10.0	0.9019

FOR HO: VARIANCES ARE EQUAL, F'= 8.78 WITH 5 AND 5 DF PROB > F'= 0.0324

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VARIABLE: FE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	23.28333333	19.80105216	8.08374569	4.70000000	57.00000000	UNEQUAL	-0.2949	9.7	0.7743
2	6	27.00000000	23.68966019	9.67126327	10.00000000	58.00000000	EQUAL	-0.2949	10.0	0.7741

FOR HO: VARIANCES ARE EQUAL, F'= 1.43 WITH 5 AND 5 DF PROB > F'= 0.7035

VARIABLE: MN

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	14.16666667	15.76282547	6.43514655	1.30000000	42.00000000	UNEQUAL	-0.2684	9.7	0.7940
2	6	16.85000000	18.73934364	7.65030500	3.80000000	41.00000000	EQUAL	-0.2684	10.0	0.7938

FOR HO: VARIANCES ARE EQUAL, F'= 1.41 WITH 5 AND 5 DF PROB > F'= 0.7135

VARIABLE: CU

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.43333333	0.13662601	0.05577734	0.30000000	0.70000000	UNEQUAL	1.7541	9.9	0.1101
2	6	0.30000000	0.12649111	0.05163978	0.20000000	0.50000000	EQUAL	1.7541	10.0	0.1099

FOR HO: VARIANCES ARE EQUAL, F'= 1.17 WITH 5 AND 5 DF PROB > F'= 0.8698

VARIABLE: AS

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	2.24500000	1.20722409	0.49284717	1.14000000	4.04000000	UNEQUAL	0.7329	8.3	0.4837
2	6	1.82000000	0.74846510	0.30555960	0.95000000	3.16000000	EQUAL	0.7329	10.0	0.4804

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TTEST PROCEDURE

FOR HO: VARIANCES ARE EQUAL, F'= 2.60 WITH 5 AND 5 DF PROB > F'= 0.3175

VARIABLE: F

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.68333333	0.52694086	0.21512270	0.00000000	1.60000000	UNEQUAL	-0.4255	6.9	0.6835
2	6	0.78333333	0.23166067	0.09457507	0.60000000	1.20000000	EQUAL	-0.4255	10.0	0.6795

FOR HO: VARIANCES ARE EQUAL, F'= 5.17 WITH 5 AND 5 DF PROB > F'= 0.0955

VARIABLE: MO

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.78333333	0.25625508	0.10461570	0.50000000	1.10000000	UNEQUAL	0.7213	9.8	0.4876
2	6	0.68333333	0.22286020	0.09098229	0.50000000	1.00000000	EQUAL	0.7213	10.0	0.4873

FOR HO: VARIANCES ARE EQUAL, F'= 1.32 WITH 5 AND 5 DF PROB > F'= 0.7667

VARIABLE: SE

SUBSTRAT	N	MEAN	STD DEV	STD ERROR	MINIMUM	MAXIMUM	VARIANCES	T	DF	PROB > |T|
1	6	0.04166667	0.01722401	0.00703167	0.02000000	0.07000000	UNEQUAL	0.8528	7.2	0.4212
2	6	0.03500000	0.00836660	0.00341565	0.03000000	0.05000000	EQUAL	0.8528	10.0	0.4137

FOR HO: VARIANCES ARE EQUAL, F'= 4.24 WITH 5 AND 5 DF PROB > F'= 0.1390

Form 1279–3
(June 1984)

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